

LED-TV

Chassis: N92A

Model : UE32C5***

UE37C5***

UE40C5***

UE46C5***

UE32C4000P*

SERVICE Manual

TFT-LED TV



UE40C5***

Contents

- 1. Precautions
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- 3. Disassembly and Reassembly
- 4. Troubleshooting
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GSPN (Global Service Partner Network)

Area	Web Site
North America	http://service.samsungportal.com
Latin America	http://latin.samsungportal.com
CIS	http://cis.samsungportal.com
Europe	http://europe.samsungportal.com
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Mideast & Africa	http://mea.samsungportal.com

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2. Product specifications

2-1. Feature & Specifications

Model	UE32C5***
	Feature

▶ DTV/ATV, 4-HDMI, 1-Component, 1-A/V, D-SUB, 1-SCART, 2-USB2.0, CI Slot

Brightness: 450 cd/m2
High Contrast Ratio: 50,000:1
Response Time: 4.5ms

Specifications			
Item	Description		
LCD Panel	32inch FHD 60Hz		
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 47 Hz ~ 75 Hz (Automatic)		
Display Colors	16.7M color		
Maximum resolution	Horizontal : 19 Vertical : 1080		
Input Signal	Analog 0.7 Vp	-p \pm 5% positive at 75 Ω , internally terminated	
Input Sync Signal	H/V Separate,	TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz		
Active Display Horizontal/Vertical	27.50 x 15.47 inches (698.4(H) x 392.85(V) mm)		
AC power voltage & Frequency	AC 100V ~ 240V, 50/60Hz		
Power Consumption	Under 110W (Under 0.3W, Stand by)		
Dimensions Set (W x D x H)	30.9 x 9.4 x 21.6 inches (785 x 240 x 550 mm)_with stand 30.9 x 1.2 x 19.3 inches (785 x 29.9 x 491 mm)_without stand		
Weight	24.25 lbs (11kg)_with stand 18.08 lbs (8.2kg)_without stand		
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)	
	System	DVB-T/C, PAL, SECAM, NT4.43	
	Sound	BG, DK, L/L', NICAM, MPEG1, DD, DD+, HE-AAC	
Environmental Considerations	Operating Temperature: 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity: 10% ~ 90%, non-condensing Storage temperature: -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity: 10% ~ 90%		
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right)		
	- BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB		
	- Headphone Out : 10 mW MAX		
	- Output Frequency : RF : 80 Hz ~ 15 kHz AV/Componet/HDMI : 80 Hz ~ 20 kHz		
Note: DLNA, Dolby Digital+, Game Mode, Film Mode, Energy Saving, Anynet+			

Model	UE37C5***
	Feature

Brightness: 450 cd/m²
 High Contrast Ratio: 50,000:1
 Response Time: 4.5 ms

Specifications				
Item	Description			
LCD Panel	37inch FHD 6	0Hz		
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)			
Display Colors	16.7M color			
Maximum resolution	Horizontal : 19 Vertical : 1080			
Input Signal	Analog 0.7 Vp	p-p \pm 5% positive at 75 Ω , internally terminated		
Input Sync Signal	H/V Separate,	TTL, P. or N.		
Maximum Pixel Clock rate	74.25MHz			
Active Display Horizontal/Vertical	32.26 x 18.15 inches (819.36(H) x 460.89(V) mm)			
AC power voltage & Frequency	AC 100V ~ 240V, 50/60Hz			
Power Consumption	Under 120W (Under 120W (Under 0.3W, Stand by)		
Dimensions Set (W x D x H)	35.7 x 10.0 x 24.4 inches (908 x 255 x 621 mm)_with stand 35.7 x 1.2 x 22.1 inches (908 x 29.9 x 561 mm)_without stand			
Weight	31.30 lbs (14.2kg)_with stand 23.37 lbs (10.6kg)_without stand			
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)		
	System	DVB-T/C, PAL, SECAM, NT4.43		
	Sound	BG, DK, L/L', NICAM, MPEG1, DD, DD+, HE-AAC		
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 10% ~ 90%, non-condensing Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 10% ~ 90%			
Audio Spec. Note: DLNA, Dolby Digital+, Ga	- MAX Internal Audio Output Power: Each 10W(Left/Right) - BASS Control Range: -8 dB ~ + 8dB - TREBLE Control Range: -8 dB ~ +8 dB - Headphone Out: 10 mW MAX - Output Frequency: RF: 80 Hz ~ 15 kHz AV/Componet/HDMI: 80 Hz ~ 20 kHz			

Model	UE40C5***
	Feature

Brightness: 450 cd/m²
 High Contrast Ratio: 50,000:1
 Response Time: 4.5 ms

Specifications				
Item		Description		
LCD Panel	40inch FHD 6	0Hz		
Scanning Frequency		Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)		
Display Colors	16.7M color			
Maximum resolution	Horizontal : 19 Vertical : 1080			
Input Signal	Analog 0.7 Vp	p-p \pm 5% positive at 75 Ω , internally terminated		
Input Sync Signal	H/V Separate	, TTL, P. or N.		
Maximum Pixel Clock rate	74.25MHz			
Active Display Horizontal/Vertical	34.87 x 22.55 inches (885.6(H) x 19.61(V) mm)			
AC power voltage & Frequency	AC 100V ~ 240V, 50/60Hz			
Power Consumption	Under 130W (Under 0.3W, Stand by)			
Dimensions Set (W x D x H)	38.3 x 10.0 x 24.4 inches (972 x 255 x 621 mm)_with stand 38.3 x 1.2 x 23.5 inches (972 x 29.9 x 596 mm)_without stand			
Weight	34.61 lbs (15.7kg)_with stand 26.68 lbs (12.1kg)_without stand			
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)		
	System	DVB-T/C, PAL, SECAM, NT4.43		
	Sound	BG, DK, L/L', NICAM, MPEG1, DD, DD+, HE-AAC		
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 10% ~ 90%, non-condensing Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 10% ~ 90%			
Audio Spec.	- MAX Internal Audio Output Power: Each 10W(Left/Right) - BASS Control Range: -8 dB ~ +8 dB - TREBLE Control Range: -8 dB ~ +8 dB - Headphone Out: 10 mW MAX - Output Frequency: RF: 80 Hz ~ 15 kHz			

Model	UE46C5***
	Feature

Brightness: 450 cd/m2
High Contrast Ratio: 50,000:1
Response Time: 4.5ms

Specifications			
Item	Description		
LCD Panel	46inch FHD 6	0Hz	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)		
Display Colors	16.7M color		
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 pixels		
Input Signal	Analog 0.7 Vp	-p \pm 5% positive at 75 Ω , internally terminated	
Input Sync Signal	H/V Separate,	TTL, P. or N.	
Maximum Pixel Clock rate	74.25MHz		
Active Display Horizontal/Vertical	40.08 x 22.55 inches (1018.08(H) x 572.67(V) mm)		
AC power voltage & Frequency	AC 100V ~ 240V, 50/60Hz		
Power Consumption	Under 130W (Under 0.3W, Stand by)		
Dimensions Set (W x D x H)	43.6 x 10.8 x 28.8 inches (1107 x 275 x 731 mm)_with stand 43.6 x 1.2 x 26.4 inches (1107 x 29.9 x 671 mm)_without stand		
Weight	43.43 lbs (19.7kg)_with stand 34.61 lbs (15.7kg)_without stand		
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)	
	System	DVB-T/C, PAL, SECAM, NT4.43	
	Sound	BG, DK, L/L', NICAM, MPEG1, DD, DD+, HE-AAC	
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 10% ~ 90%, non-condensing		
	Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 10% ~ 90%		
Audio Spec.	- MAX Internal Audio Output Power : Each 10W(Left/Right)		
	- BASS Control Range : -8 dB ~ + 8dB		
	- TREBLE Control Range : -8 dB ~ +8 dB		
	- Headphone Out : 10 mW MAX		
	- Output Frequency : RF : 80 Hz ~ 15 kHz AV/Componet/HDMI : 80 Hz ~ 20 kHz		
Note: DLNA, Dolby Digital ⁺ , Game Mode, Film Mode, Energy Saving, Anynet ⁺			

Model	UE32C4000P	
	Feature	

Brightness: 400 cd/m2
High Contrast Ratio: 40,000:1
Response Time: 4.5ms

Specifications				
Item	Description			
LCD Panel	32inch HD 60	Hz		
Scanning Frequency		Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 47 Hz ~ 75 Hz (Automatic)		
Display Colors	16.7M color			
Maximum resolution	Horizontal : 13 Vertical : 768			
Input Signal	Analog 0.7 Vp	p-p \pm 5% positive at 75 Ω , internally terminated		
Input Sync Signal	H/V Separate	, TTL, P. or N.		
Maximum Pixel Clock rate	74.25MHz			
Active Display Horizontal/Vertical	27.47 x 15.44 inches (697.69(H) x 392.26(V) mm)			
AC power voltage & Frequency	AC 100V ~ 240V, 50/60Hz			
Power Consumption	Under 100W (Under 0.3W, Stand by)			
Dimensions Set (W x D x H)	30.5 x 10.0 x 21.6 inchs (774.6 x 255.0 x 549.1 mm)_with stand 30.5 x 1.2 x 19.4 inchs (774.6 x 29.9 x 491.8 mm)_without stand			
Weight	24.9 lbs (11.3kg)_with stand 20.3 lbs (9.2kg)_without stand			
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)		
	System	DVB-T/C, PAL, SECAM, NT4.43		
	Sound	BG, DK, L/L', NICAM, MPEG1, DD, DD+, HE-AAC		
Environmental Considerations	Operating Temperature : 32°F ~ 122°F (0°C ~ 50°C) Operating Humidity : 10% ~ 90%, non-condensing Storage temperature : -4°F ~ 140°F (-20°C ~ 60°C) Storage Humidity : 10% ~ 90%			
Audio Spec. Note: Dolby Digital*, Game Moo	- MAX Internal Audio Output Power: Each 10W(Left/Right) - BASS Control Range: -8 dB ~ + 8dB - TREBLE Control Range: -8 dB ~ +8 dB - Headphone Out: 10 mW MAX - Output Frequency: RF: 80 Hz ~ 15 kHz AV/Componet/HDMI: 80 Hz ~ 20 kHz			

2-2. Detail Factory Option

* If you replace the main board with new one, please change the factory option as well. The options you must change are "Type" and "Front Color".

N	Model Name		UE32C5100QW	UE37C5100QW	UE40C5100QW	UE46C5100QW	UE32C4000PW
Panel		Vendor	СМО	AUO	СМО	AUO	CMO
		CODE	BN07-00849A	BN07-00880A	BN07-00856A	BN07-00384A	BN07-00848A
SMPS		Vendor	DYREL	DYREL	SEM	DYREL	DYREL
		CODE	BN44-00351B	BN44-00351B	BN44-00353A	BN44-00357B	BN44-00349B
1	Factory Reset	-	-	-	-	-	-
2	Туре	19D6THOC ~ 52L6AFOC/	32P6UF0E	37P6UF0E	40P6UF0E	46P6UF0E	32P6AH0E
3	Local set	EU/EU_ltaly//NORDIG/AD_au/ CIS	EU	EU	EU	EU	EU
4	Model	UC4000/UC5000/UC5100/ UC6000	UC5100	UC5100	UC5100	UC5100	UC4000
5	TUNER	DRXKSEMCO/ DRXKALPS/	DRXKSEMCO	DRXKSEMCO	DRXKSEMCO	DRXKSEMCO	DRXKSEMCO
6	DDR	SAMSUNG / Etron	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
7	Light Effect	On/Off	Off	Off	Off	Off	Off
8	Ch Table	SUWON/SESK/SHE/TTSEC/ SDMA/	SEH	SEH	SEH	SEH	SEH
		SERK/SEIN/SAVINA/SIEL/ TSE					
9	Country						
10	Front Color	S-BLK/S-R-BLK/S-C-Gray/	T-C-BLK	T-C-BLK	T-C-BLK	T-C-BLK	T-R-BLK

2-3. Accessories

Product	Description	Code. No	Remark
	Remote Control & Batteries (AAA x 2)	C5*** : BN59-01015A C4000 : BN59-01014A	
	Power Cord	3903-000525	
	Cover-Bottom	32" BN63-06542A 37" BN63-06543A 40" BN63-06543A 46" BN63-06543A 32" BN63-06542B	Samsung Electronics
	Stand	C5*** 32" BN96-12930B 37" BN96-12931B 40" BN96-12931B 46" BN96-12932B C4000 32" BN96-13157A	Service center
	Screw (for the stand - M4, L6)	6003-000133	
	Owner's Instructions	C5*** : BN68-02656A C4000 : BN68-02655A	
	Warranty Card / Registration Card / Safety Guide Manual (Not available in all locations)		

■ CHANNEL FREQUENCY TABLE

1. OUTPUT FREQUENCY : ANALOG fv:45.75MHz, fs:41.25MHz DIGITAL Fc:44MHz

2. TUNING STEP SIZE : FIRST PLL 250KHz SECOND PLL 62.5KHz

CH NO	Cable IRC 73. 25 55. 25 61.25 67.25 79. 25 85.25 175. 25 181.25 187.25 199.25 205.25 211.25 121.25 127.25 133.25
2 2 57 55.25 V-L 2 55.25 V-L 2 54.00 2 3 3 63 61.25 V-L 3 60.00 3 4 4 69 67.25 V-L 4 66.00 4 5 5 79 77.25 V-L 5 77.25 V-L A-7 78.00 A-7 6 6 85 83.25 V-L 6 84.00 A-6 7 7 177 175.25 V-H 7 174.00 7 8 8 183 181.25 V-H 7 174.00 7 8 8 183 181.25 V-H 8 181.25 V-H 8 180.00 9 9 9 189 187.25 V-H 9 187.25 V-H 9 187.25 V-H 9 187.25 V-H 9 187.25 V-H 10	55. 25 61. 25 67. 25 79. 25 85. 25 175. 25 181. 25 187. 25 199. 25 205. 25 211. 25 121. 25 127. 25 133. 25
3 3 63 61.25 V-L 3 61.25 V-L 3 60.00 3 4 4 69 67.25 V-L 4 67.25 V-L 4 66.00 4 5 5 79 77.25 V-L 5 77.25 V-L A-7 78.00 A-7 6 6 85 83.25 V-L 6 83.25 V-L A-6 84.00 A-6 7 7 177 175.25 V-H 7 174.00 7 8 8 183 181.25 V-H 8 181.25 V-H 8 180.00 8 9 9 189 187.25 V-H 9 187.25 V-H 9 186.00 9 10 10 195 193.25 V-H 10 193.25 V-H 10 193.25 V-H 10 193.25 V-H 11 199.20 10	61.25 67.25 79.25 85.25 175.25 181.25 187.25 193.25 199.25 205.25 211.25 121.25 127.25 133.25
4 4 69 67.25 V-L 4 67.25 V-L 4 66.00 4 5 5 79 77.25 V-L 5 77.25 V-L A-7 78.00 A-7 6 6 85 83.25 V-L 6 83.25 V-L A-6 84.00 A-6 7 7 177 175.25 V-H 7 175.25 V-H 7 174.00 7 8 8 183 181.25 V-H 8 181.25 V-H 8 180.00 8 9 9 189 187.25 V-H 9 186.00 9 10 10 195 193.25 V-H 10 193.25 V-H 10 192.00 10 11 11 201 207 205.25 V-H 11 199.25 V-H 11 199.20 10 11 14 473 2471.25	67.25 79.25 85.25 175.25 181.25 187.25 193.25 199.25 205.25 211.25 121.25 127.25 133.25
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7 7 177 175.25 V-H 7 175.25 V-H 7 174.00 7 8 8 183 181.25 V-H 8 181.25 V-H 8 180.00 8 9 9 189 187.25 V-H 9 187.25 V-H 9 186.00 9 10 10 195 193.25 V-H 10 193.25 V-H 10 192.00 10 11 11 201 199.25 V-H 11 199.25 V-H 11 198.00 11 12 12 207 205.25 V-H 12 205.25 V-H 11 198.00 11 12 12 207 205.25 V-H 12 205.25 V-H 12 204.00 12 13 13 213 211.25 V-H 13 211.25 V-H 13 210.00 13 14 <td>175, 25 181, 25 187, 25 193, 25 199, 25 205, 25 211, 25 121, 25 127, 25 133, 25</td>	175, 25 181, 25 187, 25 193, 25 199, 25 205, 25 211, 25 121, 25 127, 25 133, 25
8 8 183 181.25 V-H 8 181.25 V-H 8 180.00 8 9 9 189 187.25 V-H 9 187.25 V-H 9 186.00 9 10 10 195 193.25 V-H 10 193.25 V-H 10 192.00 10 11 11 201 199.25 V-H 11 199.25 V-H 11 198.00 11 12 12 207 205.25 V-H 11 199.25 V-H 11 198.00 11 12 12 207 205.25 V-H 12 204.00 12 13 13 213 211.25 V-H 13 211.25 V-H 13 210.00 13 14 14 473 471.25 UHF A 121.25 MID A 120.00 A 15 15 479 477.25 UHF	181.25 187.25 193.25 199.25 205.25 211.25 121.25 127.25 133.25
9 9 189 187.25 V-H 9 187.25 V-H 9 186.00 9 10 10 195 193.25 V-H 10 193.25 V-H 10 192.00 10 11 11 11 201 199.25 V-H 11 199.25 V-H 11 198.00 11 12 12 207 205.25 V-H 12 205.25 V-H 11 198.00 11 12 12 207 205.25 V-H 12 204.00 12 13 13 213 211.25 V-H 13 211.25 V-H 13 210.00 13 14 14 473 477.25 UHF A 121.25 MID A 120.00 A 15 15 479 477.25 UHF B 127.25 MID B 126.00 B 126.00 B 126.00 <td< td=""><td>187.25 193.25 199.25 205.25 211.25 121.25 127.25 133.25</td></td<>	187.25 193.25 199.25 205.25 211.25 121.25 127.25 133.25
10 10 195 193.25 V-H 10 193.25 V-H 10 192.00 10 11 11 11 201 199.25 V-H 11 199.25 V-H 11 199.25 V-H 11 198.00 11 12 12 207 205.25 V-H 12 205.25 V-H 12 204.00 12 13 13 213 211.25 V-H 13 210.00 13 14 14 473 471.25 UHF A 121.25 MID A 120.00 A 15 15 479 477.25 UHF B 127.25 MID A 120.00 B 16 16 485 483.25 UHF C 133.25 MID C 132.00 C 17 17 491 489.25 UHF D 139.25 MID D 138.00 D	193.25 199.25 205.25 211.25 121.25 127.25 133.25
11 11 201 199.25 V-H 11 199.25 V-H 11 198.00 11 12 12 207 205.25 V-H 12 205.25 V-H 12 204.00 12 13 13 213 211.25 V-H 13 210.00 13 14 14 473 471.25 UHF A 121.25 MID A 120.00 A 15 15 479 477.25 UHF B 127.25 MID A 120.00 A 16 16 485 483.25 UHF C 133.25 MID D 132.00 C 17 17 491 489.25 UHF D 139.25 MID D 138.00 D 18 18 497 495.25 UHF E 145.25 MID D 138.00 D 19 19 503 501.25 <td>199.25 205.25 211.25 121.25 127.25 133.25</td>	199.25 205.25 211.25 121.25 127.25 133.25
13 13 213 211.25 V-H 13 211.25 V-H 13 210.00 13 14 14 473 471.25 UHF A 121.25 MID A 120.00 A 15 15 479 477.25 UHF B 127.25 MID B 126.00 B 16 16 485 483.25 UHF C 133.25 MID C 132.00 C 17 17 491 489.25 UHF D 139.25 MID D 138.00 D 18 18 497 495.25 UHF E 145.25 MID E 144.00 E 19 19 503 501.25 UHF F 151.25 MID F 150.00 F 20 20 509 507.25 UHF G 157.25 MID G 156.00 G G 156.00	211.25 121.25 127.25 133.25
14 14 473 471.25 UHF A 121.25 MID A 120.00 A 15 15 479 477.25 UHF B 127.25 MID B 126.00 B 16 16 485 483.25 UHF C 133.25 MID C 132.00 C 17 17 491 489.25 UHF D 139.25 MID D 138.00 D 18 18 497 495.25 UHF E 145.25 MID E 144.00 E 19 19 503 501.25 UHF F 151.25 MID F 150.00 F 20 20 509 507.25 UHF G 157.25 MID G 156.00 G 21 21 515 513.25 UHF H 163.25 MID H 162.00 H 22	121. 25 127.25 133.25
15 15 479 477.25 UHF B 127.25 MID B 126.00 B 16 16 485 483.25 UHF C 133.25 MID C 132.00 C 17 17 491 489.25 UHF D 139.25 MID D 138.00 D 18 18 497 495.25 UHF E 145.25 MID D 138.00 D 19 19 503 501.25 UHF E 145.25 MID E 144.00 E 20 20 509 507.25 UHF G 157.25 MID F 150.00 G 21 21 515 513.25 UHF H 163.25 MID H 162.00 H 22 22 521 519.25 UHF H 169.25 MID H 168.00 H 23	127.25 133.25
16 16 485 483.25 UHF C 133.25 MID C 132.00 C 17 17 491 489.25 UHF D 139.25 MID D 138.00 D 18 18 497 495.25 UHF E 145.25 MID E 144.00 E 19 19 503 501.25 UHF F 151.25 MID F 150.00 F 20 20 509 507.25 UHF G 157.25 MID G 156.00 G 21 21 515 513.25 UHF H 163.25 MID H 162.00 H 22 22 521 519.25 UHF I 169.25 MID I 168.00 I 23 23 527 525.25 UHF J 217.25 SUPER J 216.00 J 24	133.25
17 17 491 489.25 UHF D 139.25 MID D 138.00 D 18 18 497 495.25 UHF E 145.25 MID E 144.00 E 19 19 503 501.25 UHF F 151.25 MID F 150.00 F 20 20 509 507.25 UHF G 157.25 MID G 156.00 G 21 21 515 513.25 UHF H 163.25 MID H 162.00 H 22 22 521 519.25 UHF I 169.25 MID I 168.00 I 23 23 527 525.25 UHF J 217.25 SUPER J 216.00 J 24 24 24 533 531.25 UHF K 223.25 SUPER K 222.00 K	
18 18 497 495.25 UHF E 145.25 MID E 144.00 E 19 19 503 501.25 UHF F 151.25 MID F 150.00 F 20 20 509 507.25 UHF G 157.25 MID G 156.00 G 21 21 515 513.25 UHF H 163.25 MID H 162.00 H 22 22 521 519.25 UHF I 169.25 MID I 168.00 I 23 23 527 525.25 UHF J 217.25 SUPER J 216.00 J 24 24 533 531.25 UHF K 223.25 SUPER K 222.00 K 25 25 539 537.25 UHF L 229.25 SUPER L 228.00 L 26	139.25
20 20 509 507.25 UHF G 157.25 MID G 156.00 G 21 21 515 513.25 UHF H 163.25 MID H 162.00 H 22 22 521 519.25 UHF I 169.25 MID I 168.00 I 23 23 527 525.25 UHF J 217.25 SUPER J 216.00 J 24 24 533 531.25 UHF K 223.25 SUPER K 222.00 K 25 25 539 537.25 UHF L 229.25 SUPER L 228.00 L 26 26 545 543.25 UHF M 235.25 SUPER M 234.00 M 27 27 551 549.25 UHF N 241.25 SUPER N 240.00 N 28 <td>145.25</td>	145.25
21 21 515 513.25 UHF H 163.25 MID H 162.00 H 22 22 521 519.25 UHF I 169.25 MID I 168.00 I 23 23 527 525.25 UHF J 217.25 SUPER J 216.00 J 24 24 533 531.25 UHF K 223.25 SUPER K 222.00 K 25 25 539 537.25 UHF L 229.25 SUPER L 228.00 L 26 26 545 543.25 UHF M 235.25 SUPER M 234.00 M 27 27 551 549.25 UHF N 241.25 SUPER N 240.00 N 28 28 557 555.25 UHF O 247.25 SUPER O 246.00 O	151.25
22 22 521 519.25 UHF I 169.25 MID I 168.00 I 23 23 527 525.25 UHF J 217.25 SUPER J 216.00 J 24 24 533 531.25 UHF K 223.25 SUPER K 222.00 K 25 25 539 537.25 UHF L 229.25 SUPER L 228.00 L 26 26 545 543.25 UHF M 235.25 SUPER M 234.00 M 27 27 551 549.25 UHF N 241.25 SUPER N 240.00 N 28 28 557 555.25 UHF 0 247.25 SUPER 0 246.00 0	157.25 163.25
23 23 527 525.25 UHF J 217.25 SUPER J 216.00 J 24 24 533 531.25 UHF K 223.25 SUPER K 222.00 K 25 25 539 537.25 UHF L 229.25 SUPER L 228.00 L 26 26 545 543.25 UHF M 235.25 SUPER M 234.00 M 27 27 551 549.25 UHF N 241.25 SUPER N 240.00 N 28 28 557 555.25 UHF 0 247.25 SUPER 0 246.00 0	169.25
24 24 533 531.25 UHF K 223.25 SUPER K 222.00 K 25 25 539 537.25 UHF L 229.25 SUPER L 228.00 L 26 26 545 543.25 UHF M 235.25 SUPER M 234.00 M 27 27 551 549.25 UHF N 241.25 SUPER N 240.00 N 28 28 557 555.25 UHF 0 247.25 SUPER 0 246.00 0	217. 25
26 26 545 543.25 UHF M 235.25 SUPER M 234.00 M 27 27 551 549.25 UHF N 241.25 SUPER N 240.00 N 28 28 557 555.25 UHF 0 247.25 SUPER 0 246.00 0	223.25
27 27 551 549.25 UHF N 241.25 SUPER N 240.00 N 28 28 557 555.25 UHF 0 247.25 SUPER 0 246.00 0	229.25
28 28 557 555.25 UHF 0 247.25 SUPER 0 246.00 0	235.25 241.25
	247.25
	253.25
30 30 569 567.25 UHF Q 259.25 SUPER Q 258.00 Q	259.25
31 31 575 573.25 UHF R 265.25 SUPER R 264.00 R	265.25
32 32 581 579.25 UHF S 271.25 SUPER S 270.00 S 33 33 587 585.25 UHF T 277.25 SUPER T 276.00 T	271.25 277.25
34 34 593 591.25 UHF U 283.25 SUPER U 282.00 U	283.25
35 35 599 597.25 UHF V 289.25 SUPER V 288.00 V	289.25
36 36 605 603.25 UHF W 295.25 SUPER W 294.00 W	295.25
37 37 611 609.25 UHF AA 301.25 HYPER AA 300.00 AA 38 38 617 615.25 UHF BB 307.25 HYPER BB 306.00 BB	301.25 307.25
39 39 623 621.25 UHF CC 313.25 HYPER CC 312.00 CC	313.25
40 40 629 627.25 UHF DD 319.25 HYPER DD 318.00 DD	319.25
41 41 635 633.25 UHF EE 325.25 HYPER EE 324.00 EE	325.25
42 42 641 639.25 UHF FF 331.25 HYPER FF 330.00 FF 43 43 647 645.25 UHF GG 337.25 HYPER GG 336.00 GG	331.25
43 43 647 645.25 UHF GG 337.25 HYPER GG 336.00 GG 44 44 44 653 651.25 UHF HH 343.25 HYPER HH 342.00 HH	337.25 343.25
45 45 659 657.25 UHF II 349.25 HYPER II 348.00 II	349.25
46 46 665 663.25 UHF JJ 355.25 HYPER JJ 354.00 JJ	355.25
47 47 671 669.25 UHF KK 361.25 HYPER KK 360.00 KK	361.25
48 48 677 675.25 UHF LL 367.25 HYPER LL 366.00 LL 49 49 683 681.25 UHF MM 373.25 HYPER MM 372.00 MM	367.25 373.25
50 50 689 687.25 UHF NN 379.25 HYPER NN 378.00 NN	379.25
51 51 695 693.25 UHF 00 385.25 HYPER 00 384.00 00	385.25
52 52 701 699.25 UHF PP 391.25 HYPER PP 390.00 PP	391.25
53 53 707 705.25 UHF QQ 397.25 HYPER QQ 396.00 QQ	397.25
54 54 713 711.25 UHF RR 403.25 HYPER RR 402.00 RR 55 55 719 717.25 UHF SS 409.25 HYPER SS 408.00 SS	403.25 409.25
56 56 725 723.25 UHF TT 415.25 HYPER TT 414.00 TT	415.25
57 57 731 729.25 UHF UU 421.25 HYPER UU 420.00 UU	421.25
58 58 737 735.25 UHF VV 427.25 HYPER VV 426.00 VV	427.25
59 59 743 741.25 UHF WW 433.25 HYPER WW 432.00 WW 60 60 749 747.25 UHF XX 439.25 HYPER XX 438.00 XX	433.25 439.25
60 60 749 747.25 UHF XX 439.25 HYPER XX 438.00 XX 61 61 755 753.25 UHF YY 445.25 HYPER YY 444.00 YY	439.25
62 62 761 759.25 UHF ZZ 451.25 HYPER ZZ 450.00 ZZ	451.25
63 63 767 765.25 UHF AAA 457.25 HYPER AAA 456.00 AAA	457.25
64 64 773 771.25 UHF BBB 463.25 HYPER BBB 462.00 BBB	463.25
65 65 779 777.25 UHF CCC 469.25 ULTRA CCC 468.00 CCC 66 66 785 783.25 UHF DDD 475.25 ULTRA DDD 474.00 DDD	469.25 475.25
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68 68 797 795.25 UHF FFF 487.25 ULTRA FFF 486.00 FFF	481.25
69 69 803 801.25 UHF GGG 493.25 ULTRA GGG 492.00 GGG	481.25 487.25

OSD	CH NO	۸	IR		CH NO			CH NO		CH NO	
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	70				HHH	499.25	ULTRA	HHH	498.00	HHH	499.25
71	71				111	505.25	ULTRA		504.00	111	505.25
72	72				JJJ	511.25	ULTRA	JJJ	510.00	JJJ	511.25
73	73				KKK	517.25	ULTRA	KKK	516.00 522.00	KKK	517.25
74	74				LLL	523.25	ULTRA	LLL		LLL	523.25
75	75				MMM	529.25	ULTRA	MMM	528.00	MMM	529.25
76	76				NNN	535.25	ULTRA	NNN	534.00	NNN	535.25
77	77				000	541.25	ULTRA	000	540.00	000	541.25
78	78				PPP	547.25	ULTRA	PPP	546.00	PPP	547.25
79	79				79	553.25	ULTRA	79	552.00	79	553.25
80	80				80	559.25	ULTRA	80	558.00	80	559.25
81	81				81	565.25	ULTRA	81	564.00	81	565.25
82	82				82	571.25	ULTRA	82	570.00	82	571.25
83	83				83	577.25	ULTRA	83	576.00	83	577.25
84	84				84	583.25	ULTRA	84	582.00	84	583.25
85	85				85	589.25	ULTRA	85	588.00	85	589.25
86	86				86	595.25	ULTRA	86	594.00	86	595.25
87	87				87	601.25	ULTRA	87	600.00	87	601.25
88	88				88	607.25	ULTRA	88	606.00	88	607.25
89	89				89	613.25	ULTRA	89	612.00	89	613.25
90	90				90	619.25	ULTRA	90	618.00	90	619.25
91	91				91	625.25	ULTRA	91	624.00	91	625.25
92	92				92	631.25	ULTRA	92	630.00	92	631.25
93	93				93	637.25	ULTRA	93	636.00	93	637.25
94	94				94	643.25	ULTRA	94	642.00	94	643.25
95	95				A-5	91. 25	FM	A-5	90.00	A-5	91.25
96	96				A-4	97.25	FM	A-4	96.00	A-4	97.25
97	97				A-3	103.25	FM	A-3	102.00	A-3	103.25
98	98				A-2	109.25	MID	A-2	108.00	A-2	109.25
99	99				A-1	115.25	MID	A-1	114.00	A-1	115.25
100	100				100	649. 25	ULTRA	100	648. 00	100	649. 25
101	101				101	655.25	ULTRA	101	654.00	101	655.25
102	102				102	661.25	ULTRA	102	660.00	102	661.25
103	103				103	667.25	ULTRA	103	666.00	103	667.25
104	104				104	673.25	ULTRA	104	672.00	104	673.25
105	105				105	679.25	ULTRA	105	678.00	105	679.25
106	106				106	685.25	ULTRA	106	684.00	106	685.25
107	107				107	691.25	ULTRA	107	690.00	107	691.25
108	108				108	697.25	ULTRA	108	696.00	108	697.25
109	109				109	703.25	ULTRA	109	702.00	109	703.25
110	110				110	709.25	ULTRA	110	708.00	110	709.25
111	111				111	715.25	ULTRA	111	714.00	111	715.25
112	112				112	721.25	ULTRA	112	720.00	112	721.25
113	113				113	727.25	ULTRA	113	726.00	113	727.25
114	114				114	733.25	ULTRA	114	732.00	114	733.25
115	115				115	739.25	ULTRA	115	738.00	115	739.25
116	116				116	745.25	ULTRA	116	744.00	116	745.25
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125	125				125	799.25	ULTRA	125	798.00	125	799.25

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2-9

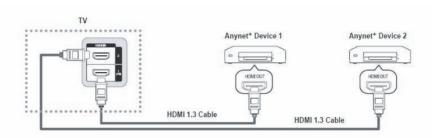
2-4. New Features explanation

2-4-1. Connecting Anynet+ Devices

Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.

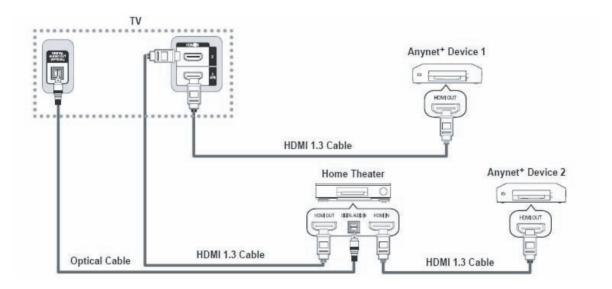
The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

To connect to a TV



1. Connect the HDMI IN 1(DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

To connect to Home Theater



- 1. Connect the HDMI IN 1(DVI), 2 jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.
- 2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.
- Connect the Optical cable between the DIGITAL AUDIO OUT (OPTICAL) jack on your TV and the Digital Audio Input on the Home Theater.
- When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD / Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifi er or Home Theater, not the TV.
- Connect only one Home Theater.
- You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
- Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
- Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

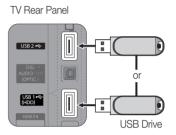
2-4-2. Media Play





Connecting a USB Device

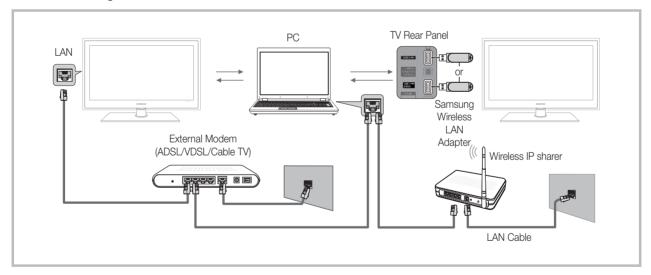
- 1. Turn on your TV.
- Connect a USB device containing photo, music and/or movie files to the USB 1 (HDD) or USB 2 jack on the side of the TV.
- **3.** When USB is connected to the TV, popup window appears. Then you can select **Media Play**.



Connecting to the PC through network

You can play pictures, music and videos saved on your PC through a network connection in the Media Play mode.

If you use **Media Play** through saved file on your PC, you should download "PC Share Manager" and users manual from "www.samsung.com."



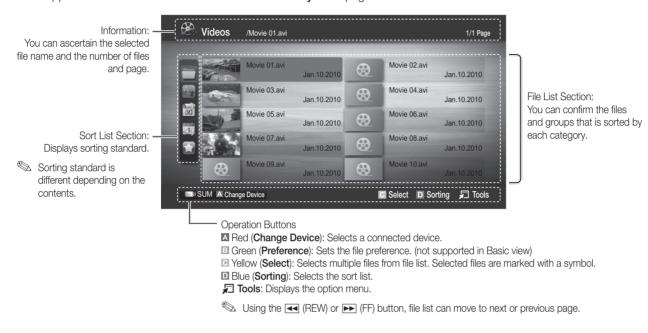
- 1. For more information on how to configure your network, refer to "Network Connection."
 - You are recommended to locate both TV and PC in same subnet. The first 3 parts of the subnet address of the TV and the PC IP addresses should be the same and only the last part (the host address) should be changed. (e.g. IP Address: 123.456.789.**)
- 2. Using a LAN cable, connect between the external modem and the PC onto which the Samsung PC Share Manager programme will be installed.
 - You can connect the TV to the PC directly without connecting it through a Sharer (Router).

- No supported functions when connecting to the PC through network:
 - The Background Music and Background Music Setting functions.
 - Sorting files by preference in the **Photos**, **Music**, and **Videos** folders.
 - The ◄ (REW) or ► (FF) button while a movie is playing.
- The Divx DRM, Multi-audio, embedded caption does not supported.
- Samsung PC Share manager should be permitted by the firewall programme on your PC.
- When you use Media Play mode through a network connection, According to functions of the provided server:
 - The sorting method may vary.
 - The scene search function may not be supported.
 - The Play Continuously function, which resumes playing of a video, may not be supported.
 - The **Play Continuously** function does not support multiple users. (It will have only memorized the point where the most recent user stopped playing.)
 - The ◀ or ▶ button may not work depending on the content information.
 - If you experience any file stuttering issue while playing a video over a wireless network, we recommend using a wired network.
- lt might not work properly with unlicensed multimedia files.
- Need-to-Know List before using Media Play
 - MTP (Media Transfer Protocol) is not supported.
 - The file system supports FAT16, FAT32 and NTFS.
 - · Certain types of USB Digital camera and audio devices may not be compatible with this TV.
 - Media Play only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives, Flash Card Readers and USB HDD (USB HUB are not supported). Devices should be connected directly to the TV's USB port.
 - Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
 - Connect a USB HDD to the dedicated port, USB 1 (HDD) port.
 - Do not disconnect the USB device while it is loading.
 - The higher the resolution of the image, the longer it takes to display on the screen.
 - The maximum supported JPEG resolution is 15360X8640 pixels.
 - For unsupported or corrupted files, the "Not Supported File Format" message is displayed.
 - If the files are sorted by Basic View, up to 1000 files can be displayed in each folder.
 - MP3 files with DRM that have been downloaded from a non-free site cannot be played. Digital Rights Management (DRM) is a technology that supports the creation of content, the distribution and management of the content in an integrated and comprehensive way, including the protection of the rights and interests of the content providers, the prevention of the illegal copying of contents, as well as managing billings and settlements.
 - If more than 2 PTP devices are connected, you can only use one at a time.
 - If more than two MSC devices are connected, some of them may not be recognized. A USB device that requires high power (more than 500mA or 5V) may not be supported.
 - If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be recognized or may malfunction.
 - If the TV has been no input during time set in Auto Protection Time, the Screensaver will run.
 - The power-saving mode of some external hard disk drives may be released automatically when connected to the TV.
 - If a USB extension cable is used, the USB device may not be recognized or the files on the device may not be read.
 - If a USB device connected to the TV is not recognized, the list of files on the device is corrupted or a file in the list is not played, connect the USB device to the PC, format the device and check the connection.
 - If a file deleted from the PC is still found when Media Play is run, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.

Screen Display

Move to the file you desired using the up/down/right/left buttons and then press the ENTER → or ► (Play) button. The file is played.

Supports the View Devices and Home in Media Play homepage.

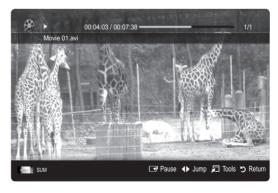


Videos

Playing Video

- 1. Press the ◀ or ▶ button to select Videos, then press the ENTER → button in the Media Play menu.
- 2. Press the $\blacktriangleleft/\blacktriangleright/\blacktriangle/\blacktriangledown$ button to select the desired file in the file list.
- 3. Press the ENTER → button or ► (Play) button.
 - The selected file is displayed on the top with its playing time.
 - If video time information is unknown, play time and progress bar are not displayed.
 - During playing the video, you can search using the ◀ and ▶ button.
- In this mode, you can enjoy movie clips contained on a Game, but you cannot play the Game itself.
- Supported Subtitle Formats

Name	File extension	Format
MPEG-4 time-based text	.ttxt	XML
SAMI	.smi	HTML
SubRip	.srt	string-based
SubViewer	.sub	string-based
Micro DVD	.sub or .txt	string-based



• Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbsp)	Audio Codec
		Divx 3.11 / 4.x / 5.1 / 6.0	1920x1080	6 ~ 30	8	
*.avi	AVI	XviD	1920x1080	6 ~ 30	8	MP3 / AC3 / LPCM /
*.mkv	MKV	H.264 BP / MP / HP	1920x1080	6 ~ 30	25	ADPCM / DTS Core
		MPEG4 SP / ASP	1920x1080	6 ~ 30	8	
		Divx 3.11 / 4.x / 5.1 / 6.0	1920x1080	6 ~ 30	8	
*.asf	ASF	XviD	1920x1080	6 ~ 30	8	MP3 / AC3 / LPCM /
.ası	ASF	H.264 BP / MP / HP	1920x1080	6 ~ 30	25	ADPCM / WMA
		MPEG4 SP / ASP	1920x1080	6 ~ 30	8	
*.wmv	ASF	Window Media Video v9	1920x1080	6 ~ 30	25	WMA
	MP4	H.264 BP / MP / HP	1920x1080	6 ~ 30	25	
*.mp4		MPEG4 SP / ASP	1920x1080	6 ~ 30	8	MP3 / ADPCM / AAC
		XVID	1920x1080	6 ~ 30	8	
* 0	0000	H.264 BP / MP / HP	1920x1080	6 ~ 30	25	ADDOM / AAO / LIE AAO
*.3gp	3GPP	MPEG4 SP / ASP	1920x1080	6 ~ 30	8	ADPCM / AAC / HE-AAC
*	VRO	MPEG1	1920x1080	24 / 25 / 30	30	ACC /MDEC /LDCM
*.vro	VOB	MPEG2	1920x1080	24 / 25 / 30	30	AC3 / MPEG / LPCM
		MPEG1	1920x1080	24 / 25 / 30	30	
*.mpg *.mpeg	PS	MPEG2	1920x1080	24 / 25 / 30	30	AC3 / MPEG / LPCM / AAC
pog		H.264	1920x1080	6 ~ 30	25	
*.ts		MPEG2	1920x1080	24 / 25 / 30	30	
*.tp	TS	H.264	1920x1080	6 ~ 30	25	AC3 / AAC / MP3 / DD+ / HE-AAC
*.trp		VC1	1920x1080	6 ~ 30	25	

Other Restrictions



- If there are problems with the contents of a codec, the codec will not be supported.
- If the information for a Container is incorrect and the file is in error, the Container will not be able to play correctly.
- Sound or video may not work if the contents have a standard bitrate/frame rate above the compatible Frame/sec listed in the table above.
- If the Index Table is in error, the Seek (Jump) function is not supported.

Video Decoder	Audio Decoder
 Supports up to H.264, Level 4.1 H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported. GMC is not supported. H.263 is not supported. 	 Supports up to WMA 7, 8, 9, STD WMA 9 PRO does not support 2 channel excess multi channel or lossless audio. WMA sampling rate 22050Hz mono is not supported.

Playing movie file continuously (Resume Play)

If you exit the playing Videos function, it can be played later from the point where it was stopped.

- Select the movie file you want to play continuously by pressing the ◀ or ► button to select it from the file list section.
- 2. Press the (Play) / ENTER button.
- **3.** Select **Play Continuously** (Resume Play) by pressing the Blue button. The Movie will begin to play from where it was stopped.
 - The Blue button is available when resuming play.
 - If the Cont. movie play help function is set to On in the Settings menu, a pop-up message will appear when you resume play a movie file.



Music

Playing Music

- 1. Press the ◀ or ▶ button to select Music, then press the ENTER ➡ button in the Media Play menu.
- Press the ◀/►/▲/▼ button to select the desired file in the file list.
- 3. Press the ENTER → button or ► (Play) button.
 - During playing the music, you can search using the ◀ and ▶ button.
 - ◀ (REW) and ▶ (FF) buttons do not function during play.
- Only displays the files with MP3 and PCM file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
- If the sound is strange when playing MP3 files, adjust the **Equalizer** in the **Sound** menu. (An over-modulated MP3 file may cause a sound problem.)



Photos

Viewing a Photo (or Slide Show)

- Press the

 or

 button to select Photos, then press the
 ENTER

 button in the Media Play menu.
- Press the ◀/►/▲/▼ button to select the desired file in the file list.
- 3. Press the ENTER → button or ► (Play) button.
 - While a photo list is displayed, press the ► (Play) /
 ENTER → button on the remote control to start slide show.
 - All files in the file list section will be displayed in the slide show.
 - During the slide show, files are displayed in order from currently being shown.
- Music files can be automatically played during the Slide Show if the **Background Music** is set to **On**.
- The **BGM Mode** cannot be changed until the BGM has finished loading.



Playing the Multiple Files

Playing the selected video/music/photo files

- 1. Press the Yellow button in the file list to select the desired file.
- 2. Repeat the above operation to select multiple files.



- The \checkmark mark appears to the left of the selected files.
- To cancel a selection, press the Yellow button again.
- To deselect all selected files, press the TOOLS button and select Deselect All.
- 3. Press the TOOLS button and select Play Selected Contents.

Playing the video/music/photo file group

- 1. While a file list is displayed, move to the any file in desired group.
- 2. Press the TOOLS button and select Play Current Group.



Media Play Additional Function

Sorting the file list

Press the Blue button in the file list to sort the files.

Category	Operations	Videos	Music	Photos
Basic View	It shows whole folder. You can view the photo by selecting the folder.	~	~	~
Title	It sorts and displays the file title in Symbol/Number/Alphabet/Special order.	~	~	~
Preference	It sorts and displays the file by preference. You can change the file preference in the file list section using the Green button.	~	~	~
Matest Date	It sorts and shows files by latest date.	~		~
Tarliest Date	It sorts and shows files by earliest date.	~		~
■ Artist	It sorts the music file by artist in alphabetical.		~	
Album	It sorts the music file by album in alphabetical order.		~	
■ Genre	It sorts music files by the genre.		~	
Mood	It sorts music files by the mood. You can change the music mood information.		~	
Monthly	It sorts and shows photo files by month. It sorts only by month (from January to December) regardless of year.			~

Videos/Music/Photos Play Option menu

During playing a file, press the **TOOLS** button.

Category	Operations	Videos	Music	Photos
Title	You can move the other file directly.	~		
Repeat Mode	You can play movie and music files repeatedly.	~	~	
Picture Size	You can adjust the picture size for preference.	~		
Picture Setting	You can adjust the picture setting. (p. 15, 16, 17)	~		~
Sound Setting	You can adjust the sound setting. (p. 17, 18, 19)	~	~	~
Subtitle Setting	You can play the video file with Subtitle. This function only works if the subtitles are the same file name as the video file.	~		
Audio	You can enjoy video in one of supported languages as required. The function is only enabled when stream-type files which support multiple audio formats are played.	~		
Stop Slide Show / Start Slide Show	You can start or stop a slide show.			~
Slide Show Speed	You can select the slide show speed during the slide show.			~
Slide Show Effect	You can set variously the slide show effect.			~
Background Music	You can set and select background music when watching a slide show.			~
Zoom	You can zoom into images in full screen mode.			~
Rotate	You can rotate images in full screen mode.			~
Home Background	You can move the file to the Media Play desktop.			~
Information	You can see detailed information about the played file.	~	~	~

Settings

Using the Setup Menu

- Cont. movie play help (Resume Play) (On / Off): Select to display the help pop-up message for continuous movie playback.
- Get the DivX® VOD registration code: Shows the registration code authorized for the TV. If you connect to the DivX web site and register the registration code with a personal account, you can download VOD registration file. If you play the VOD registration using Media Play, the registration is completed.
 - For more information on DivX® VOD, visit "www.DivX.com."
- Get the DivX® VOD deactivation code: When DivX® VOD is not registered, the registration deactivation code is displayed. If you execute this function when DivX® VOD is registered, the current DivX® VOD registration is deactivated.
- Information: Select to view information about the connected device.

2-4-3. AllShare

AllShare

About AllShare

AllShare connects your TV, mobile phones and other devices which are compatible through a network. On your TV, you can view call arrivals, SMS messages and schedules set on your mobile phones. In addition, you can play media contents including videos, photos and music saved on your mobile phones or the other devices (such as your PC) by controlling them on the TV via the network. Additionally, you can use your TV as a monitor for your mobile when browsing a web page.

For more information, visit "www.samsung.com" or contact the Samsung call centre. Mobile devices may need additional software installation. For details, refer to each device's user's guide.

Setting Up AllShare

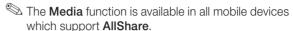
Setup

- Message (On / Off): Enables or disables the message function (for call arrivals, SMS messages and schedules set on your mobile phones).
- Media (On / Off): Enables or disables the media function. When the media function is on, it plays videos, photos and music from a mobile phone or other device that supports AllShare.
- ScreenShare (On / Off): Enables or disables the ScreenShare function for using mobile phone as a remote control.
- TV name: Sets the TV name so you can find it easily on a mobile device.
 - If you select User Input, you can type on the TV using the OSK (On Screen Keyboard).

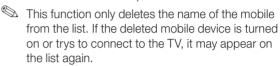


Message / Media / ScreenShare

Shows a list of mobile phones or connected devices which have been set up with this TV for using the **Message**, **Media**, or **ScreenShare** function.



- Allowed / Denied: Allows/Blocks the mobile phone.
- **Delete**: Deletes the mobile phone from the list.



Using the Message Function

Using this function, you view call arrivals, SMS messages and schedules set on the mobile phone through the alarm window while watching TV.



- To disable the alarm window, set Message to Off in Setup of AllShare.
- If OK is selected, or if OK is not selected after the message has appeared three times, the message will be deleted. The message is not deleted from the mobile phone.
- The alarm window can be displayed while using some applications such as Media Play etc. To view the contents of a message, switch to TV viewing mode.
- When a message from an unknown mobile phone is displayed, select the mobile phone on the message menu in AllShare and select Denied to block the phone.

Message View

If a new SMS message arrives while you are watching TV, the alarm window appears. If you click the OK button, the contents of the message are displayed.

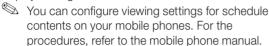
- You can configure the viewing settings for SMS messages on your mobile phones. For the procedures, refer to the mobile phone manual.
- Some types of characters may be displayed as blank or broken characters.

Call Arrival Alarm

If a call arrives while you are watching TV, the alarm window appears.

Schedule Alarm

While you are watching TV, the alarm window appears to display the registered event.





Using the Media Function

An alarm window appears informing the user that the media contents (videos, photos, music) sent from a mobile phone will be displayed on your TV. The contents are played automatically 3 seconds after the alarm window appears. If you press the **RETURN** or **EXIT** button when the alarm window appears, the media contents are not played.

[®] NOTE

 If the media function executes for the first time, the warning popup windows appears. Press the ENTER button to select Allow, then you can use Media function on that device.



- To turn off the media contents transmission from the mobile phone, set Media to Off in the AllShare setup.
- Contents may not be played on your TV depending on their resolution and format.
- The ENTER → and ✓ / ► buttons may not work depending on the type of media content.
- Using the mobile device, you can control the media playing. For details, refer to each mobile's user's guide.
- When you want to play media contents from your PC, select the PC icon on the main display of AllShare. Then the TV's Media Play menu automatically changes. For more detail information, refer to "Media Play" (p. 29).

Using ScreenShare Function

Screenshare displays the same web page as provide in mobile. Using ScreenShare, you can open the various contents saved in a mobile phone. For example, the image below displays an access page for contents from a mobile. You can read the mobile's various files and view the phone book and calender on the TV. Also, in phone book, you can make a call to other person, or can send to SMS.

S NOTE

- In Samsung mobile, ScreenShare must be installed and the supporting application must be executed; then you can use the ScreenShare function.
- Available buttons on your remote control may vary for each page.
- Doc Viewer can read files in doc format, but cannot modify them.
- The screen display may differ depending on the connected device.



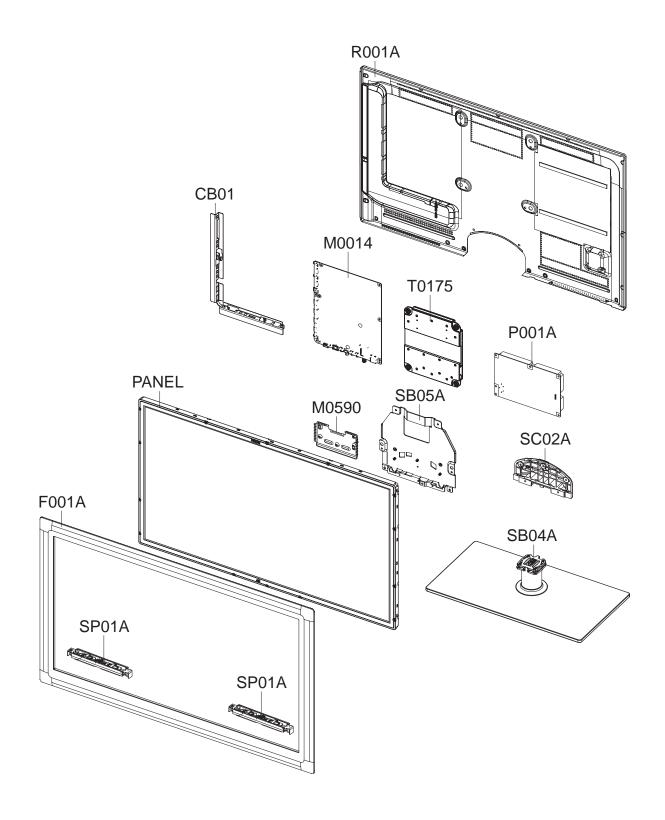
Using your Samsung phone to control your TV Simply

Before you can use this feature, you must connect to a Samsung mobile phone that supports ScreenShare functions. When operating the TV with your mobile phone, only the POWER, — __ +, P ^/ and MUTE buttons are supported.

Even if you keep pressing down on a control button (channel or volume) on the mobile phone, the value will only go up or down by one unit.

5. Exploded View & Part List

5-1. UE32C5100QW Exploded View



5-2. UE32C5100QW Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
CB01	BN61-04924A	BRACKET-AV;LB700 40,PCM,T0.5,BKN-P824, P	1	SNA	
SP01A	BN96-12941E	ASSY SPEAKER P;8ohm,4pin,10,L:270 R:490,	1	SA	
R001A	BN96-12912J	ASSY COVER P-REAR;UC6000 32,EUROPE,PCM,C	1	SA	
M0014	BN94-03368A	ASSY PCB MAIN;UE32C5100QFXXC	1	SA	
T0175	BN96-12944A	ASSY SPEAKER P;4ohm,4pin,10W,R:170,Enclo	1	SA	
P001A	BN44-00351B	DC VSS-LED TV PD BD;PD37AF0E_ZDY,PD37AF0	1	SA	
PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
SC02A	BN96-13392E	ASSY COVER P-GUIDE STAND;UC4000,PC+ABS G	1	SA	
F001A	BN96-12885B	ASSY COVER P-FRONT;UC5100 32,PC(CLR)+PC(1	SA	
SB04A	BN96-12761B	ASSY STAND P-BASE;32,EXPORT,TEMPERED GLA	1	SA	

5-2-1. UE32C5100QW Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Remark

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
4		BN69-04419K	PACKING-BAG PE;UC5000,LDPE,70,90,4X12, 5	1	SNA	
3		BN68-02824B	MANUAL FLYER-01,STAND GUIDE;5 ~ 6 series	1	SNA	
2	SB04A	BN96-12761B	ASSY STAND P-BASE;32,EXPORT,TEMPERED GLA	1	SA	
3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	3	SA	
3		BN61-04692A	BOSS-PRIMER;#94,clear,35cps	0.1	SNA	
3		BN61-04731C	BOSS-TAPE;AMBER,ACRYL,T1.1,W16.0mm,WHITE	0.29	SNA	
3		BN61-04855A	BRACKET-SWIVEL BOTTOM:B650 40,SECC,T2.0	1	SNA	
3		BN61-05254A	HOLDER-SWIVEL RING BOTTOM;LB700 40,POM H	1	SNA	
3		BN61-05653A	BRACKET-STAND BOTTOM;B650 32,SECC,T2.0	1	SNA	
3		BN61-05826A	BOSS-BOND;#760,Poly urethane,Black	2.4	SNA	
3	GSN01	BN61-05993A	GUIDE-STAND NECK;32,LC650,PETG,V2,TP0003	1	SNA	
4	001101	0103-007257	RESIN-PETG;ECOZEN-SE,NP01,TP0003,3.2 V2,	150	SNA	
4		BN61-06078A	GUIDE-NECK-INSERT;32,LC650,PETG,HB,TP000	1	SNA	
3	CCM1	BN63-04755A	COVER-SHEET;AMBER,PE,T0.05,W150mm,200M,6	1.1	SNA	
3	OOWIT	BN63-05530C	COVER-STAND GLASS;32,LB650,GLASS,T8.0.1C	1	SNA	
3	T0056	BN63-06908A	COVER-DECORATION;LB700 40,ABS+PMMA,HB,H/	1	SNA	
4	10030	0103-005096	RESIN-ABS;HB,ABS+PMMA	10	SNA	
3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	10	SNA	
3	T0527	BN68-01648B	LABEL WARNING: WW.PET.TO.05.40,25,EXPORT	1	SNA	
	M0126	BN73-00215A	RUBBER-FOOT;40LB650,RUBBER,15*25,60,4.0,	4	SNA	
3			RUBBER-FOOT;LB650,RUBBER,15 25,60,4.0, RUBBER-FOOT;LB650,RUBBER,DIA30,7.5,Dark	4	SNA	
3	M0126	BN73-00217A	, , , , , ,			
3	M0047	BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
0.1	M0017	BN91-05033A	ASSY CHASSIS;UE32C5100QFXXC	1	SNA	
2	M0014	BN94-03368A	ASSY PCB MAIN;UE32C5100QFXXC	1	SA	
3		BN97-04054A	ASSY SMD;UE32C5100QFXXC,BN94-02757A?	1	SNA	
4		BN97-04023A	ASSY MICOM-MAIN;N82A,2009.11.10,T-TDT5DE	1	SNA	
5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
4	10445	BN97-04024A	ASSY MICOM-SUB;N82A,2009.11.10,T-TDT5DEU	1	SNA	
5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
4	DOGAA	0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.072	SNA	
4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	22	SA	
4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
4		0403-001180	DIODE-ZENER;BZX84C6V2,5.8-6.6V,350mW,SOT	1	SA	
4	50071	0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	17	SNA	
4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	2	SA	
4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	9	SNA	
4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
4	KQ1	0501-000279	TR-SMALL SIGNAL; KSA1182-Y, PNP, 150mW, SOT-	1	SA	
4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	12	SA	
4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	5	SA	
4	Q409	0505-000274	FET-SILICON;AO4435L,P,-30V,-11A,0.014ohm	1	SNA	
4	IC104	0801-002630	IC-CMOS LOGIC;74AHCT1G08,2-INPUT AND GAT	1	SA	
4	ND51C2	0801-002780	IC-CMOS LOGIC;74LVC1G17,SCHMITT-TRIGGER	1	SA	
4	IC104	0801-003330	IC-CMOS LOGIC;Octal buffer,DQFN,20P,4.5x	3	SA	
4	IC104	0802-001012	IC-CMOS LOGIC;74LCX245,TRANSCEIVER,DQFN,	1	SNA	
4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
4		1006-001474	IC-LINE DRIVER;DRV604PWP,HPSSOP,28P,9.8x	1	SA	
4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	

4	
4 T0087 1203-001815 IC-POSI.FIXED REG.;78M09,TO-252,3P,PLAST 1 S.A	
4 T0087 1203-002835 IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6 1 S.A	
4 T0087 1203-002898 IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6. 1 SA4 1203-004364 IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P, 1 SA4 1203-005134 IC-POSI.FIXED REG.;RT9167A-33PB,SOT-23-5 1 SN4 1203-005538 IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4. 1 SA4 1203-005559 IC-BACKLIGHT DRIVER;MP3302D_J,TSOT23,5P,2 1 SA4 1203-006559 IC-BACKLIGHT DRIVER;MP3302D_J,TSOT23,5P,2 1 SA4 1203-006013 IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9 1 SA4 1203-006017 IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9 1 SA4 1203-006135 IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T 1 SA4 T0087 1203-006136 IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T 1 SA4 IC012 1203-006136 IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T 1 SA4 IC012 1203-006288 IC-POSI.ADJUST REG.;AP1117D-18-GZ-13-89,T 1 SA4 1204-003088 IC-POSI.ADJUST REG.;AP1117D-18-GZ-13-89,T 2 SA4 1204-003088 IC-POSI.ADJUST REG.;AP1117D-18-GZ-13-89,T 2 SA4 1204-003088 IC-POSI.ADJUST REG.;AP1117D-18-GZ-13-89,T 2 SA4 1204-003088 IC-SEMICH,TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1204-003089 IC-SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003201 IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003733 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA4 1205-003735 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA4 1405-001185 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 1 SA4 1405-001271 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 1 SA4 1405-001271 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 1 SA4 1405-001271 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 2 SA4 R105 2007-000148 R-CHIP;1000hm,5%,1/16W,TP,1005 15 SN4 R319 2007-000148 R-CHIP;12Kohm,5%,1/16W,TP,1005 5 SN4 R319 2007-000148 R-CHIP;12Kohm,5%,1/16W,TP,1005 15 SN4 R104 2007-000149 R-CHIP;12Kohm,5%,1/16W,TP,1005 15 SN4 R104 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 9 SN4 R103 2007-000159 R-CH	
4	
4 T0087 1203-005134 IC-POSI.FIXED REG.;RT9167A-33PB,SOT-23-5 1 SN4 1203-005538 IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4. 1 SA4 1203-005559 IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2 1 SA4 1203-006013 IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9 1 SA4 1203-006013 IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9 1 SA4 1203-006013 IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9 1 SA4 1203-006013 IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T 1 SA4 17087 1203-006136 IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T 1 SA4 17087 1203-006138 IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T 1 SA4 IC012 1203-006138 IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2 1 SA4 1204-003088 IC-DEMODULATOR;DRX39YXK,POFN,64P,9x9x0.8 1 SA4 1204-003088 IC-DEMODULATOR;DRX39XYK,POFN,64P,9x9x0.8 1 SA4 1204-003096 IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P 1 SA4 1205-003201 IC-BUS SWITCH;TC7WB125FK,SO7-23,5P2.9x1.6 1 SA4 1205-003733 IC-SWITCH;TC7WB125FK,SO7-23,5P2.9x1.6 1 SA4 1205-003735 IC-SWITCH;TPS2051BDBVR,SO7-23,5P2.9x1.6 mm, 1 SA4 1205-003735 IC-SWITCH;AP2151MGP-7,SOT25,5P2.9x1.6 mm, 1 SA4 1405-001185 VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP 1 SA4 1405-001271 VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP 2 3 SA4 R105 2007-000172 R-CHIP;1000hm,5%,1/16W,TP,1005 5 SN4 R319 2007-000140 R-CHIP;100hm,5%,1/16W,TP,1005 15 SN4 R319 2007-000141 R-CHIP;2.2K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000148 R-CHIP;10K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000148 R-CHIP;12K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000148 R-CHIP;12K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000149 R-CHIP;12K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000151 R-CHIP;12K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000151 R-CHIP;12K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000151 R-CHIP;2K0hm,5%,1/16W,TP,1005 15 SN4 R104 2007-000151 R-CHIP;2	
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4 T0087 1203-006136 IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T 1 SA4 IC012 1203-006138 IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2 1 SA4 1203-006288 IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3 1 SA4 1204-003088 IC-DEMODULATOR;DRX39XYK,PQFN,64P,9x9x0.8 1 SA4 1204-003096 IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P 1 SA4 1205-003201 IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003479 IC-SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003479 IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6 1 SA4 1205-003733 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA	
4 T0087 1203-006136 IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T 1 SA4 IC012 1203-006138 IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2 1 SA4 1203-006288 IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3 1 SA4 1204-003088 IC-DEMODULATOR;DRX39XYK,PQFN,64P,9x9x0.8 1 SA4 1204-003096 IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P 1 SA4 1205-003201 IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003479 IC-SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003479 IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6 1 SA4 1205-003733 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA	
4 IC012 1203-006138 IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2 1 SA4 1203-006288 IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3 1 SA4 1204-003088 IC-DEMODULATOR;DRX39XYK,PQFN,64P,9x9x0.8 1 SA4 1204-003096 IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P 1 SA4 1205-003201 IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003479 IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6 1 SA4 1205-003733 IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6 1 SA4 1205-003735 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA4 1205-003735 IC-SWITCH;AP2151WG-7,SOT25,5P,2.9x1.6mm, 1 SA4 1405-001185 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 1 SA4 1405-001271 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 2 SA4 PR6 2007-000072 R-CHIP;47ohm,5%,1/10W,TP,1608 6 SN4 R105 2007-000140 R-CHIP;10ohm,5%,1/16W,TP,1005 34 SA4 AR49 2007-000140 R-CHIP;11Kohm,5%,1/16W,TP,1005 5 SN4 MR306 2007-000141 R-CHIP;2.2Kohm,5%,1/16W,TP,1005 15 SN4 R319 2007-000143 R-CHIP;4.7Kohm,5%,1/16W,TP,1005 5 SN4 R104 2007-000148 R-CHIP;12.Kohm,5%,1/16W,TP,1005 5 SN4 R104 2007-000148 R-CHIP;10Kohm,5%,1/16W,TP,1005 5 SN4 R102 2007-000149 R-CHIP;15Kohm,5%,1/16W,TP,1005 5 SN4 R102 2007-000149 R-CHIP;15Kohm,5%,1/16W,TP,1005 1 SN4 R102 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 1 SN4 MR36 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 8 SN4 MR36 2007-000151 R-CHIP;22Kohm,5%,1/16W,TP,1005 9 SN4 MR36 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 MR13 2007-000159 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 MR13 2007-000159 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 MR13 2007-000159 R-CHIP;36Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;36Kohm,5%,1/16W,TP,1005 3 SN	+
4	+
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4	
4 1205-003201 IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm 2 SA4 1205-003479 IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6 1 SA4 1205-003733 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA4 1205-003735 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA4 1205-003735 IC-SWITCH;AP2151WG-7,SOT25,5P,2.9x1.6mm, 1 SA4 1405-001185 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 1 SA4 1405-001271 VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP 23 SA4 PR6 2007-000072 R-CHIP;47ohm,5%,1/10W,TP,1608 6 SN4 R105 2007-000138 R-CHIP;100ohm,5%,1/16W,TP,1005 34 SA4 AR49 2007-000140 R-CHIP;1Kohm,5%,1/16W,TP,1005 5 SN4 MR306 2007-000141 R-CHIP;2.2Kohm,5%,1/16W,TP,1005 15 SN4 R319 2007-000143 R-CHIP;4.7Kohm,5%,1/16W,TP,1005 44 SN4 R104 2007-000148 R-CHIP;6.8Kohm,5%,1/16W,TP,1005 5 SN4 R104 2007-000148 R-CHIP;10Kohm,5%,1/16W,TP,1005 5 SN4 R104 2007-000149 R-CHIP;12Kohm,5%,1/16W,TP,1005 5 SA4 R102 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 1 SN4 R102 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 1 SN4 MR36 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 1 SN4 MR36 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 2 SN4 MR36 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 3 SN4 MR36 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 9 SN4 MR13 2007-000157 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 MR13 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN	+
4 1205-003479 IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6 1 SA4 1205-003733 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA4 1205-003735 IC-SWITCH;AP2151WG-7,SOT25,5P,2.9x1.6mm, 1 SA4 1405-001185 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 1 SA4 1405-001271 VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP 23 SA4 PR6 2007-000072 R-CHIP;47ohm,5%,1/16W,TP,1608 6 SN4 R105 2007-000138 R-CHIP;100ohm,5%,1/16W,TP,1005 34 SA4 AR49 2007-000140 R-CHIP;1Kohm,5%,1/16W,TP,1005 5 SN4 MR306 2007-000141 R-CHIP;2.2Kohm,5%,1/16W,TP,1005 15 SN4 R319 2007-000143 R-CHIP;4.7Kohm,5%,1/16W,TP,1005 2 SN4 R104 2007-000148 R-CHIP;6.8Kohm,5%,1/16W,TP,1005 2 SN4 R104 2007-000148 R-CHIP;10Kohm,5%,1/16W,TP,1005 5 SA4 R104 2007-000148 R-CHIP;12Kohm,5%,1/16W,TP,1005 5 SA4 R102 2007-000149 R-CHIP;15Kohm,5%,1/16W,TP,1005 5 SA4 R102 2007-000149 R-CHIP;15Kohm,5%,1/16W,TP,1005 5 SA4 R102 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 6 SA4 R102 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 8 SN4 RA43 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000157 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 9 SN	+
4 1205-003733 IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9 1 SA4 1205-003735 IC-SWITCH;AP2151WG-7,SOT25,5P,2.9x1.6mm, 1 SA4 1405-001185 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 1 SA4 1405-001271 VARISTOR;24Vdc,1.6x0.8x0.36mm,TP 23 SA4 PR6 2007-000072 R-CHIP;47ohm,5%,1/10W,TP,1608 6 SN4 R105 2007-000138 R-CHIP;100ohm,5%,1/16W,TP,1005 34 SA4 AR49 2007-000140 R-CHIP;1Kohm,5%,1/16W,TP,1005 5 SN4 MR306 2007-000141 R-CHIP;2.2Kohm,5%,1/16W,TP,1005 15 SN4 R319 2007-000143 R-CHIP;4.7Kohm,5%,1/16W,TP,1005 2 SN4 R319 2007-000148 R-CHIP;6.8Kohm,5%,1/16W,TP,1005 2 SN4 R104 2007-000148 R-CHIP;18Kohm,5%,1/16W,TP,1005 5 SA4 R104 2007-000148 R-CHIP;18Kohm,5%,1/16W,TP,1005 5 SA4 R102 2007-000149 R-CHIP;12Kohm,5%,1/16W,TP,1005 5 SA4 R102 2007-000151 R-CHIP;12Kohm,5%,1/16W,TP,1005 1 SN4 MR36 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 1 SN4 MR36 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 2 SN4 MR36 2007-000155 R-CHIP;22Kohm,5%,1/16W,TP,1005 3 SN4 MR31 2007-000157 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 MR13 2007-000157 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN	+
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4 PR6 2007-000072 R-CHIP;47ohm,5%,1/10W,TP,1608 6 SN. 4 R105 2007-000138 R-CHIP;100ohm,5%,1/16W,TP,1005 34 SA 4 AR49 2007-000140 R-CHIP;1Kohm,5%,1/16W,TP,1005 5 SN. 4 MR306 2007-000141 R-CHIP;2.2Kohm,5%,1/16W,TP,1005 15 SN. 4 R319 2007-000143 R-CHIP;4.7Kohm,5%,1/16W,TP,1005 44 SN. 4 R104 2007-000146 R-CHIP;6.8Kohm,5%,1/16W,TP,1005 2 SN. 4 R104 2007-000148 R-CHIP;10Kohm,5%,1/16W,TP,1005 54 SA 4 R102 2007-000149 R-CHIP;12Kohm,5%,1/16W,TP,1005 6 SA 4 HDR2 2007-000151 R-CHIP;25Kohm,5%,1/16W,TP,1005 8 SN 4 MR36 2007-000153 R-CHIP;27Kohm,5%,1/16W,TP,1005 8 SN 4 AR43 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN 4 MR13	
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4 AR49 2007-000140 R-CHIP;1Kohm,5%,1/16W,TP,1005 5 SN4 MR306 2007-000141 R-CHIP;2.2Kohm,5%,1/16W,TP,1005 15 SN4 R319 2007-000143 R-CHIP;4.7Kohm,5%,1/16W,TP,1005 44 SN4 2007-000146 R-CHIP;6.8Kohm,5%,1/16W,TP,1005 2 SN4 R104 2007-000148 R-CHIP;10Kohm,5%,1/16W,TP,1005 54 SA4 R102 2007-000149 R-CHIP;12Kohm,5%,1/16W,TP,1005 6 SA4 HDR2 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 1 SN4 MR36 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 8 SN4 AR43 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 2 SN4 MR13 2007-000157 R-CHIP;27Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN.	
4 MR306 2007-000141 R-CHIP;2.2Kohm,5%,1/16W,TP,1005 15 SN. 4 R319 2007-000143 R-CHIP;4.7Kohm,5%,1/16W,TP,1005 44 SN. 4 2007-000146 R-CHIP;6.8Kohm,5%,1/16W,TP,1005 2 SN. 4 R104 2007-000148 R-CHIP;10Kohm,5%,1/16W,TP,1005 54 SA 4 R102 2007-000149 R-CHIP;12Kohm,5%,1/16W,TP,1005 6 SA 4 HDR2 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 1 SN 4 MR36 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 8 SN 4 AR43 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 2 SN 4 MR13 2007-000157 R-CHIP;47Kohm,5%,1/16W,TP,1005 9 SN 4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN	
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4 R102 2007-000149 R-CHIP;12Kohm,5%,1/16W,TP,1005 6 SA 4 HDR2 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 1 SN 4 MR36 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 8 SN 4 AR43 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 2 SN 4 MR13 2007-000157 R-CHIP;47Kohm,5%,1/16W,TP,1005 9 SN 4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN	
4 HDR2 2007-000151 R-CHIP;15Kohm,5%,1/16W,TP,1005 1 SN4 MR36 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 8 SN4 AR43 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 2 SN4 MR13 2007-000157 R-CHIP;47Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN.	
4 MR36 2007-000153 R-CHIP;22Kohm,5%,1/16W,TP,1005 8 SN. 4 AR43 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 2 SN. 4 MR13 2007-000157 R-CHIP;47Kohm,5%,1/16W,TP,1005 9 SN. 4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN.	
4 AR43 2007-000155 R-CHIP;27Kohm,5%,1/16W,TP,1005 2 SN4 MR13 2007-000157 R-CHIP;47Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN.	
4 MR13 2007-000157 R-CHIP;47Kohm,5%,1/16W,TP,1005 9 SN4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN.	
4 R123 2007-000159 R-CHIP;56Kohm,5%,1/16W,TP,1005 3 SN.	
4 DR39 2007-000162 R-CHIP-100Kohm 5% 1/16W/TD1005 2 9N	
D100 2007 000102 11-01111 ,1001011111,070,1711000,1F,1000 2 310.	
4 MR16 2007-000168 R-CHIP;470Kohm,5%,1/16W,TP,1005 1 SN	
4 R509 2007-000170 R-CHIP;1Mohm,5%,1/16W,TP,1005 1 SN	
4 R111 2007-000171 R-CHIP;0ohm,5%,1/16W,TP,1005 8 SN	
4 HDR17 2007-000172 R-CHIP;10ohm,5%,1/16W,TP,1005 12 SN	
4 R338 2007-000173 R-CHIP;22ohm,5%,1/16W,TP,1005 14 SN.	
4 UR23 2007-000174 R-CHIP;47ohm,5%,1/16W,TP,1005 2 SN.	
4 MR9 2007-000455 R-CHIP;18Kohm,1%,1/10W,TP,1608 1 SA	
4 ER13 2007-000669 R-CHIP;2Kohm,1%,1/10W,TP,1608 1 SN	
4 R726 2007-000695 R-CHIP;3.3ohm,5%,1/10W,TP,1608 2 SN	
4 2007-000755 R-CHIP;330Kohm,1%,1/10W,TP,1608 1 SA	
4 R124 2007-000775 R-CHIP;33Kohm,5%,1/16W,TP,1005 3 SN	
4 HR3 2007-000903 R-CHIP;430ohm,1%,1/10W,TP,1608 1 SN	1
4 DR37 2007-000932 R-CHIP;470ohm,5%,1/16W,TP,1005 1 SN	
4 2007-001285 R-CHIP;5.6ohm,5%,1/16W,TP,1005 4 SA	1

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005		SNA	
4	DR43	2007-001298	R-CHIP;51ohm,5%,1/16W,TP,1005		SNA	
4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	11	SNA	
4		2007-002768	R-CHIP;6.2Kohm,1%,1/10W,TP,1608	1	SA	
4	MR316	2007-002796	R-CHIP;510ohm,5%,1/16W,TP,1005	1	SA	
4	PR24	2007-002970	R-CHIP;56ohm,5%,1/16W,TP,1005	2	SA	
4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	14	SA	
4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	3	SNA	
4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	9	SNA	
4		2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	2	SA	
4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	10	SNA	
4		2007-007334	R-CHIP;200Kohm,1%,1/16W,TP,1005	4	SNA	
4		2007-007733	R-CHIP:51ohm,1%,1/10W,TP,1608	2	SA	
4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	14	SNA	
4	WIICH	2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
4		2007-008154	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
		2007-008273	R-CHIP;49.9ohm,1%,1/16W,TP,1005	2	SA	
4				+	SA	
4		2007-008563	R-CHIP;270ohm,1%,1/16W,TP,1005	1		
4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
4	70140	2007-008649	R-CHIP;220ohm,1%,1/16W,TP,1005	4	SNA	
4	ZRN10	2011-001261	R-NETWORK;330hm,5%,1/16W,L,CHIP,8P,TP,2.	6	SA	
4	DAR09	2011-001262	R-NETWORK;220hm,5%,1/16W,L,CHIP,8P,TP,2.	5	SA	
4	DDD0	2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	8	SA	
4	DRP9	2011-001474	R-NETWORK;47ohm,5%,1/16W,L,CHIP,8P,TP,2.	1	SA	
4		2011-001519	R-NETWORK;330HM,5%,1/16W,L,CHIP,4P,TP,1.	3	SA	
4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	7	SNA	
4	2000	2011-001589	R-NETWORK;0ohm,5%,1/16W,L,CHIP-V,4P,TP,1	16	SNA	
4	DC30	2203-000138	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1005,-	2	SNA	
4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	4	SA	
4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	4	SA	
4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	15	SA	
4	AC139	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	2	SA	
4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	9	SNA	
4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
4	DC374	2203-000659	C-CER,CHIP;0.27nF,5%,50V,C0G,1608	1	SA	
4	AD480	2203-000679	C-CER,CHIP;0.027nF,5%,50V,C0G,1005	1	SA	
4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	11	SA	
4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	4	SNA	
4	KFC6	2203-000872	C-CER,CHIP;0.0030nF,0.25pF,50V,C0G,1608	2	SNA	
4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	4	SA	
4	C101	2203-001124	C-CER,CHIP;0.68NF,10%,50V,X7R,TP,1005	2	SA	
4	DC87	2203-001153	C-CER,CHIP;.068nF,5%,50V,NP0,1005	2	SA	
4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	2	SNA	
4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	15	SNA	
4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	6	SNA	
4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	9	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
4	AD480	2203-005511	C-CER,CHIP;27nF,10%,10V,X7R,TP,1005	1	SA	
4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
4	AD480	2203-006039	C-CER,CHIP;1nF,10%,2000V,X7R,3216	2	SA	
4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	3	SNA	
4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	136	SNA	
4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	29	SA	
4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	44	SC	
4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	3	SA	
4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	26	SNA	
4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	5	SNA	
4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
4		2601-001056	TRANS-SMD,PULSE;350UH,-,1:1,1:1,12.7X6.7	1	SA	
4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	4	SA	
4	T0052	2703-000296	INDUCTOR-SMD:680nH,10%,1608	1	SA	
4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	4	SA	
4	L1103	2703-000403	INDUCTOR-SMD:22uH,10%,3225	1	SA	
4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	3	SA	
4	L607	2703-001254	INDUCTOR-SMD;1.8uH,10%,2012	1	SA	
4	T0052	2703-001254	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
	T0052	2703-002208	INDUCTOR-SMD;2.2uH,20%,5050	2	SA	
4	T0052	2703-003149	INDUCTOR-SMD;4.7uH,20%,5050	4	SNA	
4	T0052			2	SA	
4		2703-003790	INDUCTOR-SMD;4.7uH,20%,8080			
4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
4	X202	2801-004004	CRYSTAL-SMD;20.25MHz,20ppm,28-AAN,13pF,2	1	SA	
4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
4	T0568	3301-001236	BEAD-SMD;60ohm,1608	5	SNA	
4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	39	SA	
4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	2	SA	
4		3701-001293	CONNECTOR-HDMI;19P,2R,FEMALE,SMD-A,AU	4	SA	
4	CN906	3707-001095	CONNECTOR-OPTICAL;SMD-A(Ultra Slim),SPDI	1	SA	
4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
4		3710-002276	SOCKET-INTERFACE;24P,1R,0.5mm,SMD-A,AU,B	1	SA	
4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	2	SA	
4		3722-003044	JACK-USB;4P/1C,NI,BLK,SMD-A,A-TYPE	2	SA	
4		BN41-01378A	PCB MAIN;SX1 5000 DVB,FR-4,4,1.0,1.2T,19	1	SNA	
4	T0568	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	1	SNA	
4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
3		BN97-04098A	ASSY CI PLUS;BN46-00025A,LC5F,SX1 platfo	1	SNA	
4		BN46-00025A	KEY CODE-CI PLUS KEY;CI PLUS KEY,TCTC,SE	1	SNA	
3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	SNA	
3		3701-001698	CONNECTOR-DSUB;15P,3ROW,FEMALE,ANGLE,NI	1	SA	
3		3709-001603	CONNECTOR-CARD SLOT;68P(U/SLIM 60mm) W/L	1	SA	
3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
3	JA330	3722-002844	JACK-PHONE;1/7P,NI,LAUREL-GREEN,ANGLE	1	SA	
3	JA330	3722-002845	JACK-PHONE;1/7P,NI,YELLOW,ANGLE	1	SA	
3	JA330	3722-002846	JACK-PHONE;1/6,NI,BLACK,ANGLE	2	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
3		3722-002849	JACK-MODULAR;8P/8C(ULTRA SLIM),YES,ANGLE	1	SNA	
3	ET01			1	SA	
3	T0066	BN62-00042A	HEAT SINK-ES;30*30*5,Ceramic,T1.5,TAPE	1	SNA	
3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	2	SNA	
3	CCMM1	BN73-00211B	SILICON/RUBBER;UN46B9000XFXZA,SILICON+PO	1	SNA	
3	CCIVIIVI	BN96-14857A	ASSY BRACKET P-AV;UE5100,EO,PCM,T0.5,BKN	1	SNA	
4	CB01	BN61-04924A	BRACKET-AV;LB700 40,PCM,T0.5,BKN-P824, P	1	SNA	
	M0131	BN63-01251A	GASKET;NB24BS,CONDUCTIVE FABRIC,0.7mm,12	1	SNA	
4	IVIOTST					
0.1	T0004	BN91-05034A	ASSY SHIELD; UE32C5100QFXXC	1	SNA	
2	T0081	6001-002283	SCREW-MACHINE;BH,+,M3,L5,ZPC(WHT),SWRCH1	9	SNA	
2	P001A	BN44-00351B	DC VSS-LED TV PD BD;PD37AF0E_ZDY,PD37AF0	1	SA	
2	T0175	BN96-12944A	ASSY SPEAKER P;4ohm,4pin,10W,R:170,Enclo	1	SA	
2	T0081	6001-000115	SCREW-MACHINE;BH,+,-,M3,L10,ZPC(WHT),SWR	2	SNA	
2	M2893	BN39-01267F	LEAD CONNECTOR;LB6T,UL2651#26,18P,350mm,	1	SA	
2	FL06	BN96-13171P	ASSY CABLE P-FFC;UE32C5100,FFC,0.5mm,331	1	SA	
2	T0081	6001-002610	SCREW-MACHINE;BH,+,M4,L6,ZPC(BLK),SWRCH1	4	SA	
2	SCREW	6003-001782	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	SA	
2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.05	SNA	
2	SB05A	BN96-12927B	ASSY BRACKET P-STAND LINK;UC4000 32,SECC	1	SNA	
3		BN61-02932G	BRACKET-STOPPER NUT;LED TV,M4,D6,L6.5,BR	3	SNA	
3		BN61-02932H	BRACKET-STOPPER NUT;LED-TV,M4,D6,L5.0,BL	2	SNA	
3	M0115	BN61-06163A	BRACKET-STAND LINK;UC6500 32inch,SECC,T2	1	SNA	
3		BN60-00184A	SPACER-FOAM;FOAM,30000mm,DARK GRAY,1T,30	0.12	SNA	
2	M0131	BN63-00209A	GASKET;RS24NS,CONDUCTIVE FAB,4mm,10mm,30	3	SNA	
0.1		BN91-05200A	ASSY LCD;BN07-00849A	1	SNA	
2	PANEL	BN07-00849A	LCD-PANEL;T320FAE1-DB,CLL4BC1,8bits,32,1	1	SA	
3	M0590	BN81-04458A	A/S-T CON T320FAE1-DB;T320FAE1-DB	1	SA	
0.1		BN92-05577C	ASSY BOX;UC5000 32	1	SNA	
2		BN69-04859B	BOX-SET;32UC5100-GS,CB,A-01,SW2,YEL,W978	1	SNA	
2		BH68-00662A	LABEL BOX-00;ALL MODEL,MOJO 90G,60,110,W	1	SNA	
0.1		BN92-05599A	ASSY P/MATERIAL;UC5000 32	1	SNA	
2	T0214	0203-001595	TAPE-OPP MASKING;OPP-2,0.075,75,800M,CLR	2.26	SNA	
2	T0524	6902-000358	BAG PE;HDPE/NITRON,T0.015/T0.5,W900,L700	1	SNA	
2		6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	1.5	SNA	
2	M040	6922-000003	BAND PP;PP,T0.8,W18,L1650M,TRP,DA69-9014	0.49	SNA	
2		BN69-00257B	PACKING-PAD;PAPER,CB-SW4,1130,820,YEL,28	1	SNA	
2		BN69-00257F	PACKING-BAG SHEET;-,CB,-,1200,500,-,-,WH	1	SNA	
2		BN69-03982D	PAD PACKING-EDGE;LB6T,PAPER,8,120,1900,Y	1	SNA	
2	T0246	BN69-04589A	CUSHION-SET;UC5000 32inch,EPS,M65	1	SNA	
2		BN69-04822G	PALLET-WOOD;2010 LED 32 PS, GS, US,WOOD,	1	SNA	
2		BN68-02422B	LABEL-WARNING SHIPPING;ALL MODEL,A/P 100	1	SNA	
2		6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,1260.0	1	SNA	
0.1		BN92-05760A	ASSY LABEL;UE32C5100QFXXC	1	SNA	
2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
0.1	ACCE1	BN92-05762A	ASSY ACCESSORY;UE32C5100QFXXC	1	SNA	
2		BN96-13188A	ASSY ACCESSORY-MANUA;UE32C5100QFXXC	1	SNA	
3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
3		BN68-00514E	MANUAL FLYER-05, WARRANTY CARD; comm, Samsu	1	SNA	
3		BN68-02186A	MANUAL FLYER-TOC GUIDE;COMM,SAMSUNG,11 L	1	SNA	
0		D1100 02 100A	III. III ONE LELEN TOO GOIDE, GOIVIIVI, ONIVIOUNG, IT E	1	SIVA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
3		BN68-02656A	MANUAL USERS;C5100,SAMSUNG,6LANGS,W.EURO	1	SNA	
3		BN68-02839D	MANUAL FLYER-WARRANTY CARD;comm,Samsung,	1	SNA	
3		AA68-03242V	MANUAL FLYER-SAFETY GUIDE;comm,Samsung,1	1	SNA	
2	ACCE2	BN96-13188B	ASSY ACCESSORY-CABEL;UE32C5100QFXXC	1	SNA	
3	EC11	3903-000525	CBF-POWER CORD;DT,CEE,LP-21L,250V,2.5A,B	1	SA	
3	T0120	4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,HOLDER,7.	2	SNA	
3	M0114	BN39-01154C	CBF SIGNAL;Chelsea Slim, STEREO Plug to	1	SA	
3	M0114	BN39-01154F	CBF SIGNAL;UE40B7000WWXXC,24P/20P,30AWG,	1	SA	
3	M0114	BN39-01154H	CBF SIGNAL;UE40B7000WWXXC,RCA 3PIN,30AWG	1	SA	
3	REMO2	BN59-01015A	REMOCON;TM1060,SAMSUNG,20PIN SINGLE,49KE	1	SA	
3		BN61-05596A	HOLDER-WIRE CABLE;LED TV,LDPE,T0.8,L150,	1	SNA	
3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
3	EH03A	BN96-10276B	ASSY HOLDER P-RING;09 LEDTV ALL MODEL,AB	1	SA	
4		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
4	AH365	BN61-05280A	HOLDER-RING;LB7000 46inch,ABS, HB,gray	4	SNA	
3	EH02A	BN96-10810A	ASSY HOLDER P;09 LEDTV MODEL,NYRON	1	SA	
4	BAG	6902-000031	BAG ZIPPER;LDPE,T0.05,W80,L160,TRP,0,0,4	1	SNA	
4	M0114	BN61-05373A	HOLDER-WIRE;LB7000 46,NYRON	3	SNA	
4		BN61-05491A	HOLDER-WIRE STAND;UB7000 46inch,NYRON	1	SNA	
3		BN96-12031D	ASSY ACCESSORY-SCREW;09 LEDTV(40/46/55),	1	SNA	
4	M0081	6003-000133	SCREW-TAPTYPE;BH,+,-,S,M4,L8,ZPC(BLK),SW	1	SA	
4		BN69-04419E	PACKING-BAG PE;LB650,LDPE,70,90,6003-000	1	SNA	
3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
3		BN96-14099A	ASSY ACCESSORY-CLAMP;10 LEDTV(40/46/55),	1	SNA	
4		AA65-30023A	CLAMPER CORE-CABLE;NYLON-66,BLK	1	SNA	
4		BN69-04419J	PACKING-BAG PE;UC5000,LDPE,70,90,Power-C	1	SNA	
3	T0531	BN63-06542B	COVER-BOTTOM;UC4000 32,HIPS,V0,BK0020	1	SA	
4		0103-004637	RESIN-HIPS;BK0020,V0,HIPS,NoN-Deca,NoN-D	60	SNA	

3. Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the UE**C5***/UE32C4000PW LED TV.

MARNING: This LED TV contains electrostatically sensitive devices. Use caution when handling these components.

3-1. Disassembly and Reassembly

- - 2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

Description	Picture Description	Screws
To remove the stand. Place monitor face down on cushioned table. Remove 5 screws from the stand. Remove stand.	D.M. Control	
		6003-000133

	Description	Picture Description	Screws
2.	32"/37" C5***: Remove the 18 screws of rear-cover. 40"/46" C5***: Remove the 19 screws of rear-cover. Remove the screws of rear-cover.	32"_37"	6003-001003
		40"_46"	
3.	Lift up the rear-cover.		
4.	Remove the speaker and Wooper.	Q O	

Description	Picture Description	Screws
5. Lift up the stand link. Remove the 5 screws of bracket stand link.		6003-00133
6. Remove the 6 screws of main board and 5 screws of IP board.		6001-002283 6001-000115
7. Lift up the panel.		

^{**} Reassembly procedures are in the reverse order of disassembly procedures.

Screw Size

Code No.	A (mm)	B (mm)	C (mm)	Q'ty	Å
6003-001003	8.3~8.4	12~ 12.4	4~4.15	ALL: 9EA	
6003-000133	8.3~8.4	7.9~8.3	3.70~3.83	32"/37" : 19EA , 40"/46" : 20EA	R S
6001-002283	6.3~6.5	5.0~5.6	2.87~2.98	ALL: 9EA	
6001-000115	5.8~6.3	9.4~10.0	2.87~2.98	ALL : 2EA	

1. Precautions

1-1. Safety Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1-1. Warnings

- 1. For continued safety, do not attempt to modify the circuit board.
- 2. Disconnect the AC power and DC power jack before servicing.

1-1-2. Servicing the LED TV

- 1. When servicing the LED TV, Disconnect the AC line cord from the AC outlet.
- 2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3. Fire and Shock Hazard

Before returning the LED TV to the user, perform the following safety checks:

- 1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the LED TV.
- 2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistorcapacitor networks, mechanical insulators, etc.
- 3. Leakage Current Hot Check (Figure 1-1):

WARNING: Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

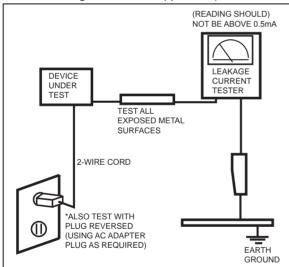


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp.

Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4. Product Safety Notices

Some electrical and mechanical parts have special safetyrelated characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by \triangle on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2. Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of

this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the

safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:

(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.

- 2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
- 3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
- 4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
- 5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to theblades of the AC plug. The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
- 6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3. Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

- 1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the LED TV.
- 2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
- 3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
- 4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
- 5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
- 6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
- 7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
 - Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
- 8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

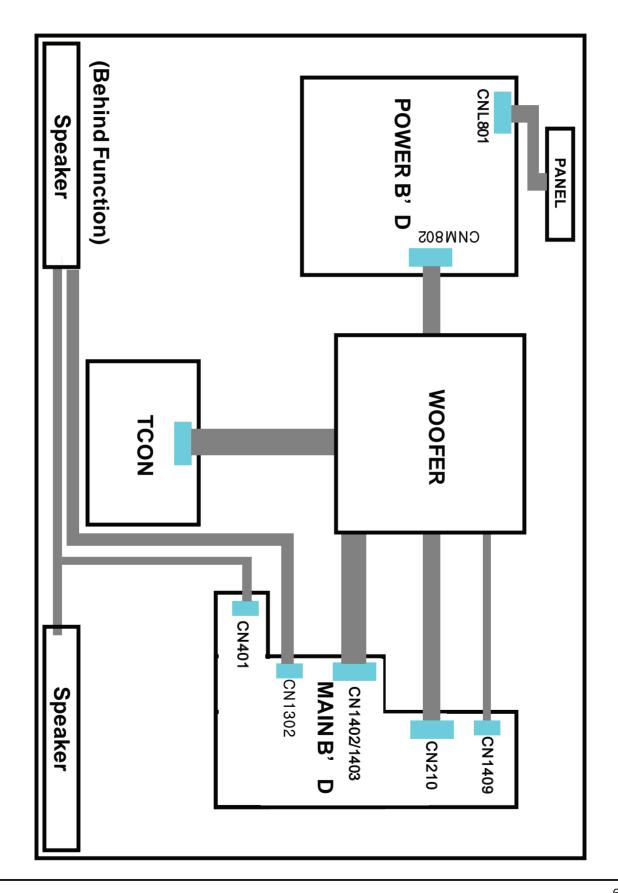
1-4. Installation Precautions

- 1. For safety reasons, more than a people are required for carrying the product.
- 2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
- 3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
- 4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
- 5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
- 6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
- 7. When installing the product, leave enough space (0.4m) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.

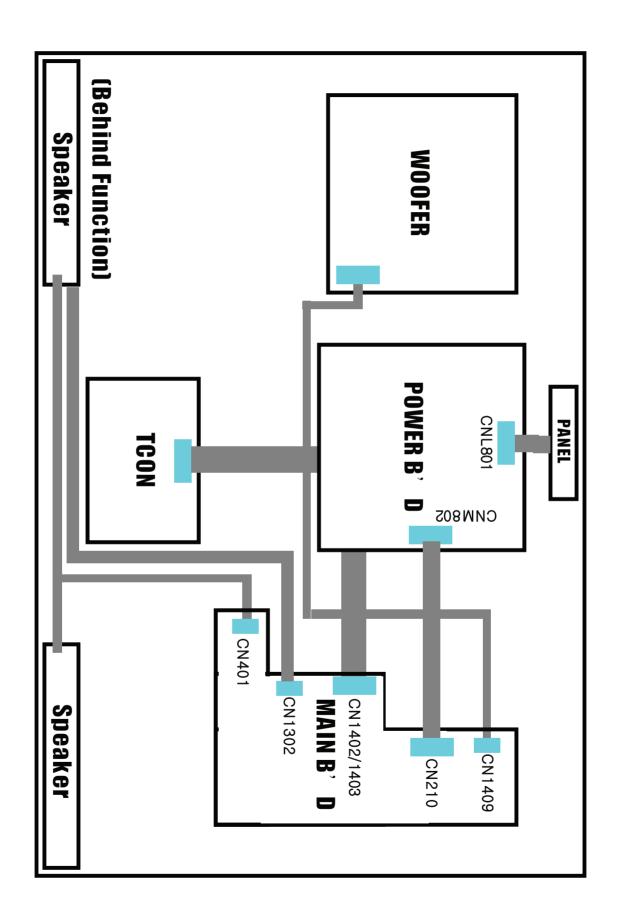
6. Wiring Diagram

6-1. Wiring Diagram

32"/37"



40"/46"



6-2. Connector

CN1402_FHD (to Panel) UC5100				
1	NC	27	EVEN[0]-	
2	NC	28	GND	
3	NC	29	ODD[4]+	
4	NC	30	ODD[4]-	
5	NC	31	ODD[3]+	
6	NC	32	ODD[3]-	
7	FORMAT	33	GND	
8	SDA_Panel	34	ODDCLK+	
9	TCON_WP	35	ODDCLK-	
10	NC	36	GND	
11	SDA_Panel	37	ODD[2]+	
12	SCL_Panel	38	ODD[2]-	
13	GND	39	ODD[1]+	
14	EVEN[4]+	40	ODD[1]-	
15	EVEN[4]-	41	ODD[0]+	
16	EVEN[3]+	42	ODD[0]-	
17	EVEN[3]-	43	GND	
18	GND	44	GND	
19	EVENCLK+	45	GND	
20	EVENCLK-	46	NC	
21	GND	47	Panel_VCC	
22	EVEN[2]+	48	Panel_VCC	
23	EVEN[2]-	49	Panel_VCC	
24	EVEN[1]+	50	Panel_VCC	
25	EVEN[1]-	51	Panel_VCC	
26	EVEN[0]+			

CN1403_HD (to Panel) UC4000				
1	Panel_VCC	16	ODD[CLK]+	
2	Panel_VCC	17	ODD[CLK]-	
3	Panel_VCC	18	GND	
4	Panel_VCC	19	ODD[2]+	
5	Panel_VCC	20	ODD[2]-	
6	GND	21	GND	
7	GND	22	ODD[1]+	
8	GND	23	ODD[1]-	
9	TCON_WP	24	GND	
10	FORMAT	25	ODD[0]+	
11	NC	26	ODD[0]-	
12	GND	27	GND	
13	ODD[3]+	28	SDA_TCON	
14	ODD[3]-	29	SCL_TCON	
15	GND	30	NC	

CN210 (to Powr board)				
1	B13VS	10	GND	
2	SW_POWER	11	GND	
3	B13VS	12	H_OUT	
4	A5V	13	B13V	
5	B5V	14	PWM_DIMMING	
6	B5V	15	B13V	
7	B5V	16	SW_INVERTER	
8	GND	17	B13V	
9	GND	18	LAMP_DET	

CN401(FUNCTION)				
1	IR	6	KEY_INPUT1	
2	GND	7	KEY_INPUT2	
3	A3.3V	8	LED_STB	
4	MSCL	9	GND	
5	MSDA	10	A3.3V	

CN1102_LAN(LAN) UC5100			
1	TX+	5	SB2.5V
2	SB2.5V	6	RX-
3	TX-	7	NC
4	RX+	8	GND

CN902(PC)				
1	PC_RED	9	PC_5V	
2	PC_GREEN	10	IDENT_PC	
3	PC_BLUE	11	R_FANET	
4	T_FANET	12	SDA_DOWN	
5	GND	13	PC_HS	
6	GND	14	PC_VS	
7	GND	15	SCL_DOWN	
8	GND			

CN901(PC/DIV SOUND)				
1	GND	4	NC	
2	PC_SL_IN	5	NC	
3	PC_SR_IN	6	NC	

CN802(COMPONENT)			
1	GND	6	-
2	COMP1_Y	7	COMP1_PR
3	IDENT_COMP1	8	GND
4	COMP1_PB	9	GND
5	-		

JA701 (SCART)				
1	GND	13	NC	
2	GND	14	SC_G	
3	GND	15	GND	
4	GND	16	NC	
5	SC_CVBS_IN	17	IDENT_SC	
6	GND	18	SC_B	
7	SC_CVBS_OUT	19	GND	
8	GND	20	SC_SL_IN	
9	SC_FB	21	SC_SR_IN	
10	GND	22	GND	
11	SC_R	23	SC_SL_OUT	
12	GND	24	SC_SR_OUT	
	CN1302 (SPEAK	(ER)	
1	R+	3	L+	
2	R-	4	L-	
	CN1409_V	VF (Wo	ofer)	
1	R+	3	L+	
2	R-	4	L-	
	CN1150_	2U(US	B2)	
1	USB_VCC	3	USB_DP	
2	USB_DM	4	GND	
	CN1204	4 (USB	1)	
1	USB_VCC	3	USB_DP	
2	USB_DM	4	GND	
	CN80	1 (AV)		
1	GND	5	NC	
2	CVBS	6	NC	
3	AV_IDENT	7	SL_IN	
4	SR_IN			
	CN1002	(HDMI	l1)	
1	HDMI1_RX2+	11	GND	
2	GND	12	HDMI1_RXCLK-	
3	HDMI1_RX2-	13	HDMI_CEC	
4	HDMI1_RX1+	14	GND	
5	GND	15	SCL	
6	HDMI1_RX1-	16	SDA	
7	HDMI1_RX0+	17	GND	
8	GND	18	5V	
9	HDMI1_RX0-	19	HPD	
10	HDMI1_RXCLK+			

CN1003 (HDMI2)				
1	HDMI2_RX2+	11	GND	
2	GND	12	HDMI2_RXCLK-	
3	HDMI2_RX2-	13	HDMI_CEC	
4	HDMI2_RX1+	14	GND	
5	GND	15	SCL	
6	HDMI2_RX1-	16	SDA	
7	HDMI2_RX0+	17	GND	
8	GND	18	5V	
9	HDMI2_RX0-	19	HPD	
10	HDMI2_RXCLK+			

CN1001 (HDMI3)				
1	HDMI3_RX2+	11	GND	
2	GND	12	HDMI3_RXCLK-	
3	HDMI3_RX2-	13	HDMI_CEC	
4	HDMI3_RX1+	14	GND	
5	GND	15	SCL	
6	HDMI3_RX1-	16	SDA	
7	HDMI3_RX0+	17	GND	
8	GND	18	5V	
9	HDMI3_RX0-	19	HPD	
10	HDMI3_RXCLK+			

CN1004_4AUD (HDMI4)				
1	HDMI4_RX2+	11	GND	
2	GND	12	HDMI4_RXCLK-	
3	HDMI4_RX2-	13	HDMI_CEC	
4	HDMI4_RX1+	14	GND	
5	GND	15	SCL	
6	HDMI4_RX1-	16	SDA	
7	HDMI4_RX0+	17	GND	
8	GND	18	5V	
9	HDMI4_RX0-	19	HPD	
10	HDMI4_RXCLK+			

OP1301 (SPDIF)						
1	SPDIF_OUT	3	GND			
2	B5V					

CN1301 (HEADPHONE)					
1 GND 4 GND					
2	2 HP_SL		HP_IDENT		
3 HP_SR 6 NC					

6-3. Connector Functions

Connector	Functions
CN210 ←→IP CNM802	Supply main power and dimming signal from IP board to Main Board.
CN1402_FHD/CN1403_HD ←→ T-CON CNF1	The LVDS signal transfered from Main Board to Panel.

6-4. Cables

Use	LEAD (Main-IP 18P)	LVDS (Ma	in - TCON)
Code	32" C5***: BN39-01267F (350mm) 37" C5***: BN39-01267D (450mm) 40" C5***: BN39-01267C (300mm) 46" C5***: BN39-01267J(325mm) 32" C4000: BN39-01267F (350mm)	32" C5*** : BN96-13171P 37" C5*** : BN96-13171Q 40" C5*** : BN96-13171R 46" C5*** : BN96-13171S	32" C4000 : BN96-12469N
Photo			

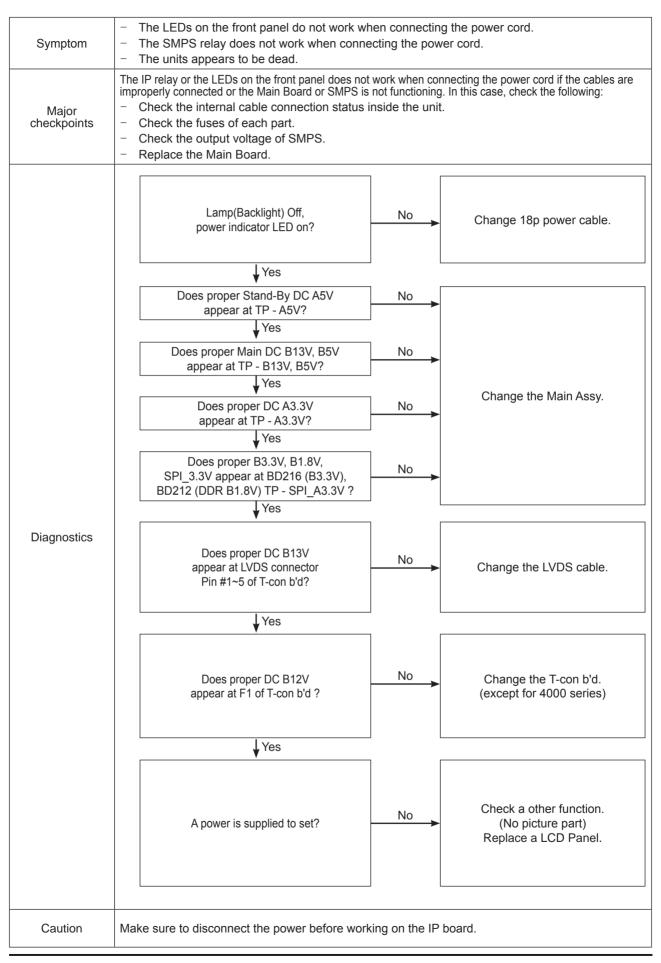
4. Troubleshooting

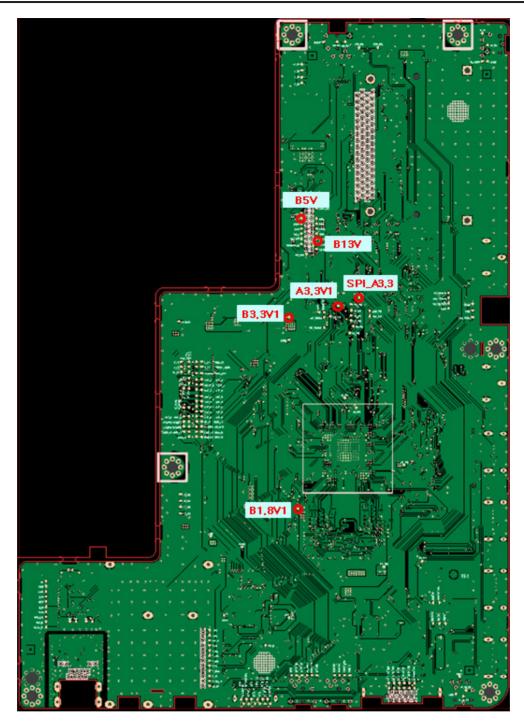
4-1. Troubleshooting

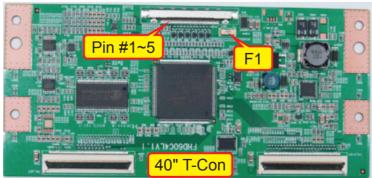
4-1-1. Previous check

- 1. Check the various cable connections first.
 - · Check to see if any cables are damaged or burnt.
 - Check to see if there is a disconnected or loose cable connection.
 - Check to see if the cables are connected according to the connection diagram.
- 2. Check the power input to the Main Board.

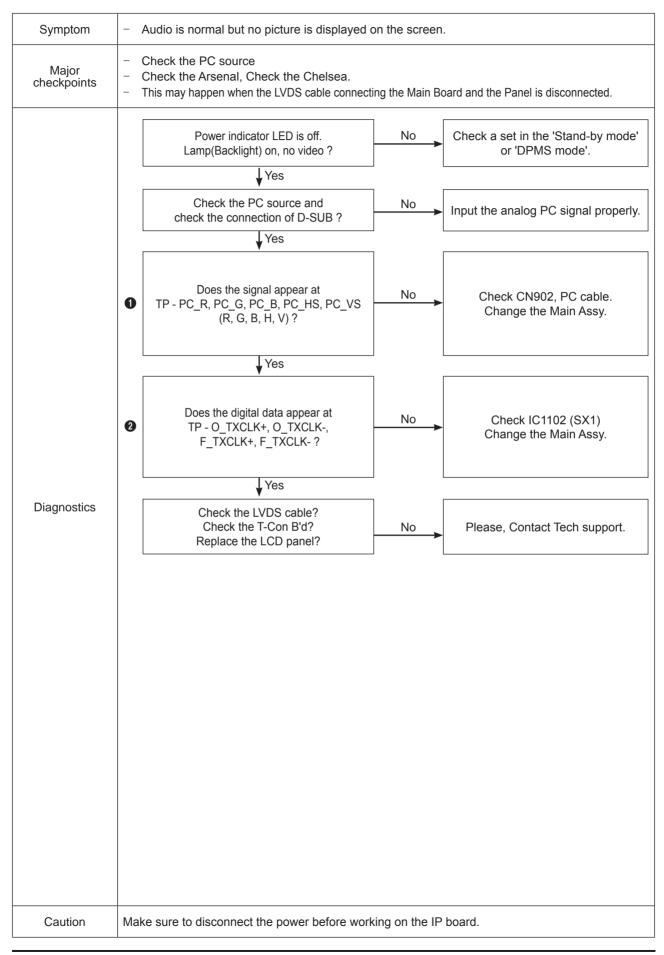
4-1-2. No Power

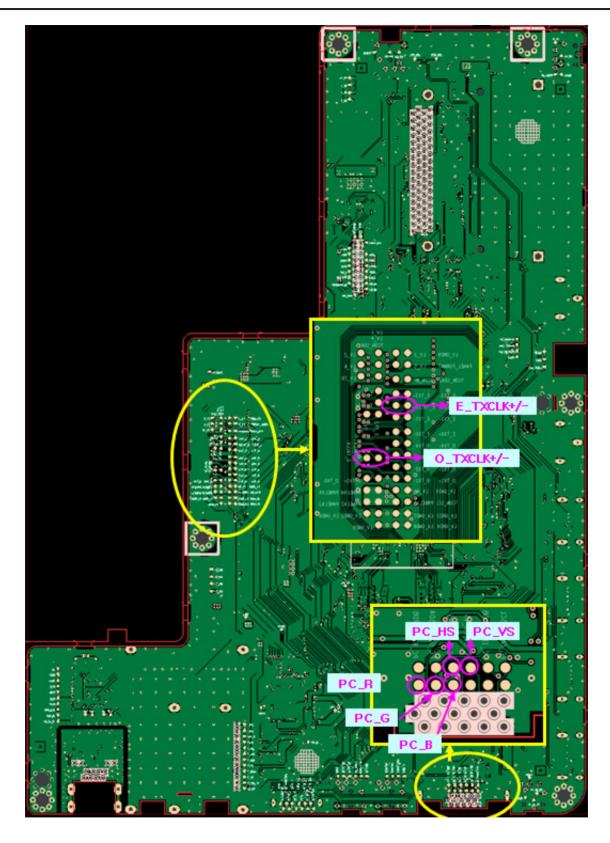


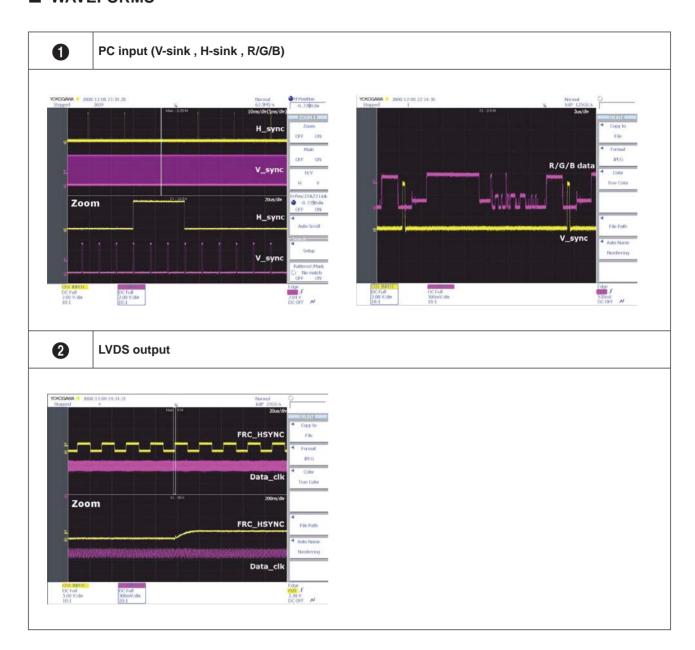




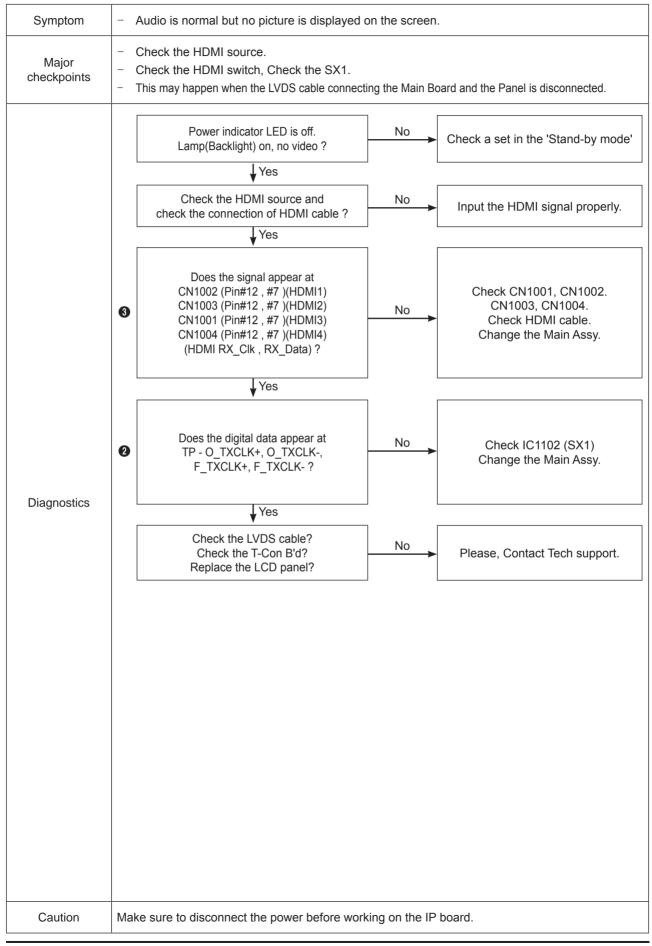
4-1-3. No Video (Analog PC signal)

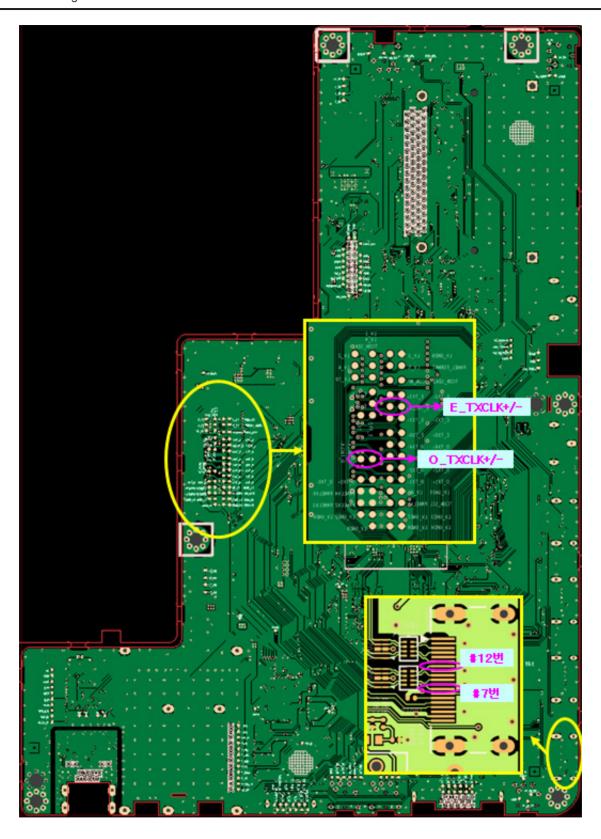


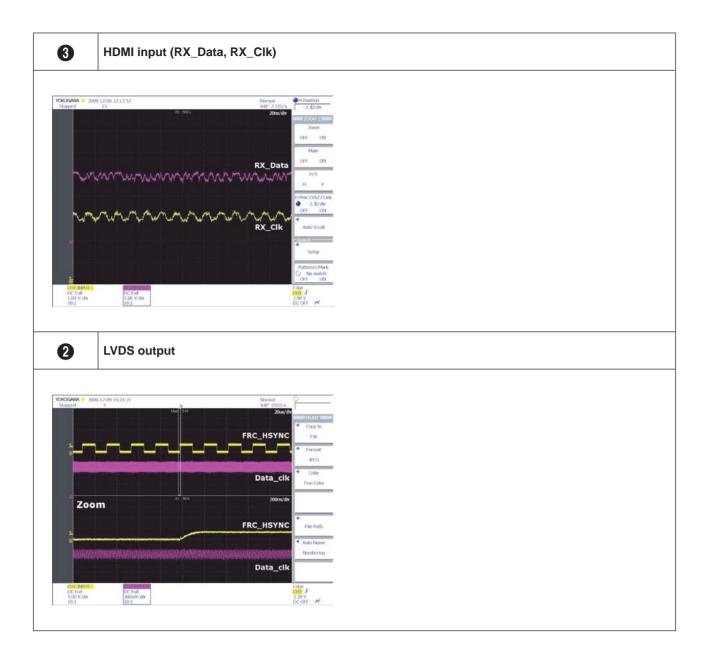




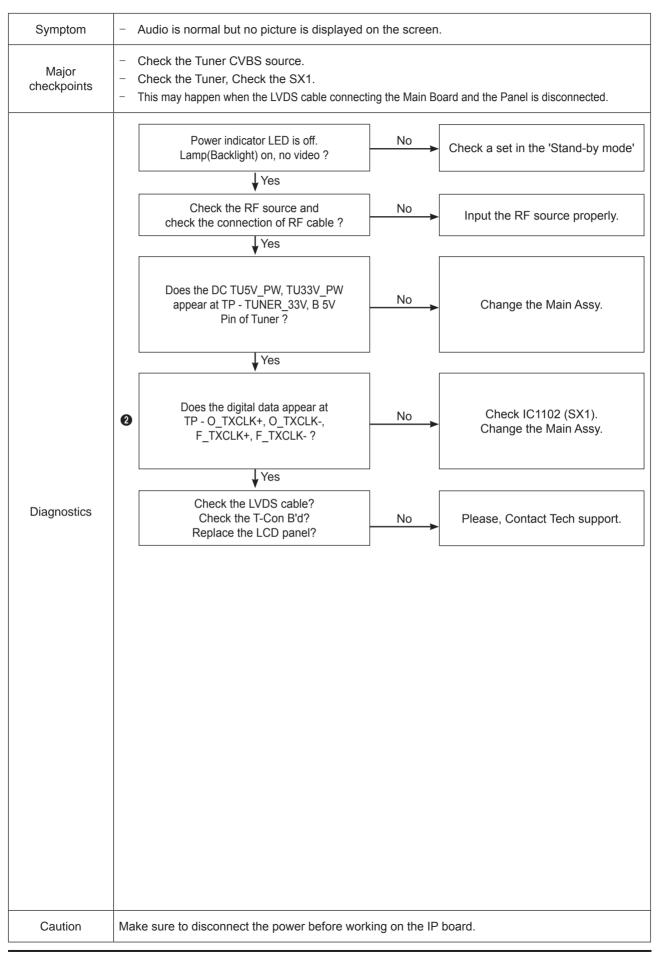
4-1-4. No video (HDMI 1, 2, 3, 4 - Digital signal)

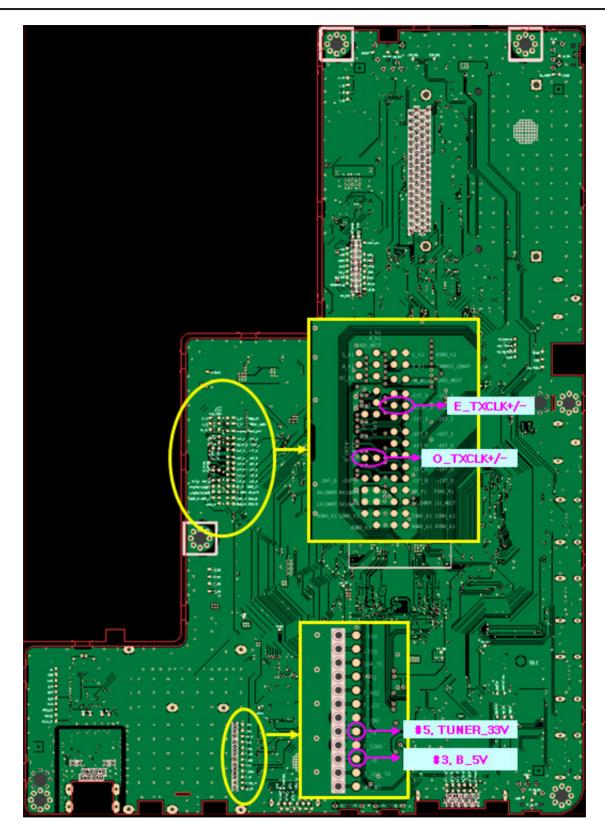


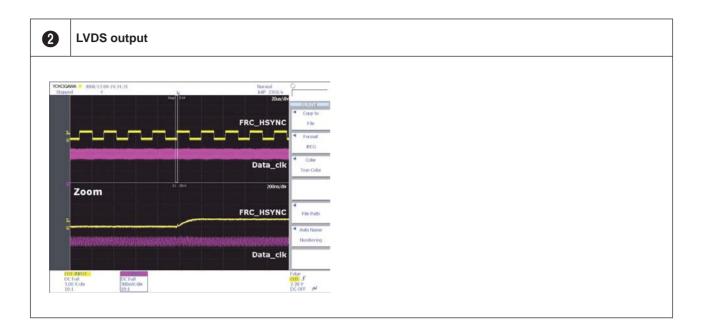




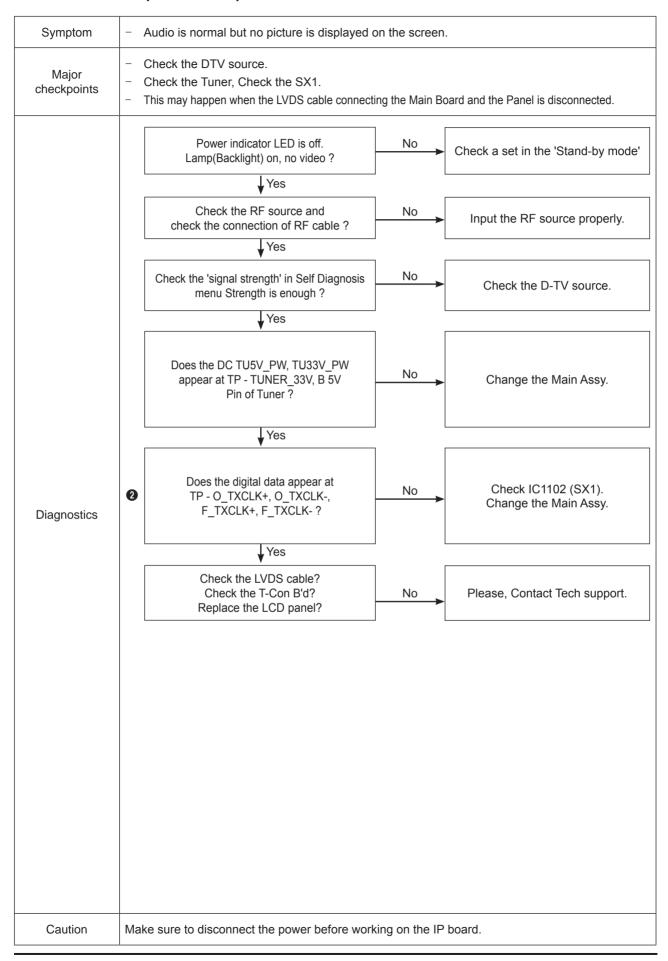
4-1-5. No Video (Tuner_CVBS)

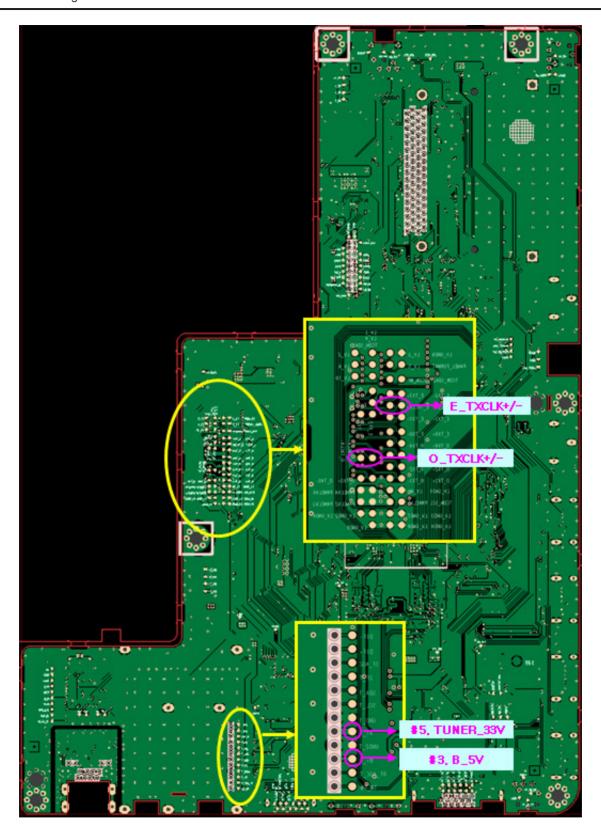


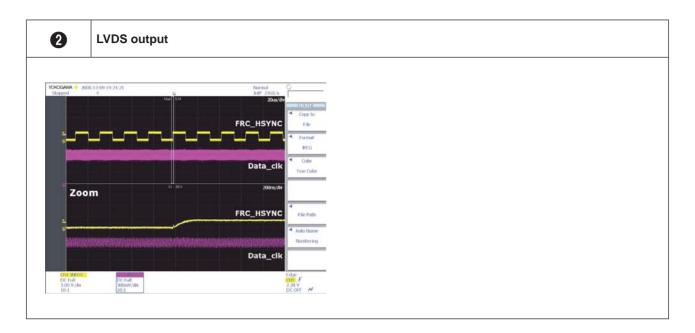




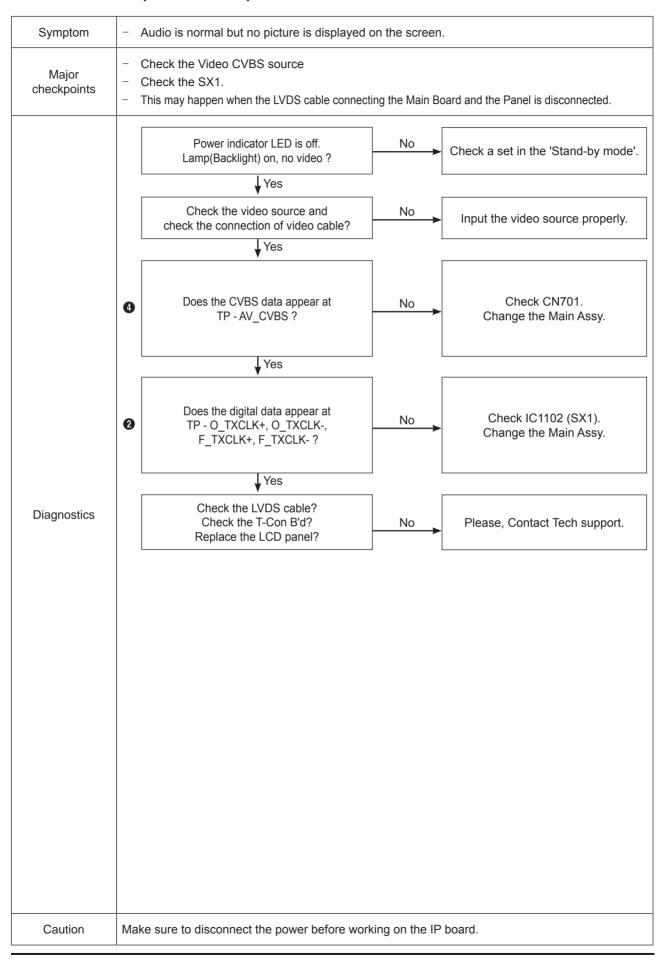
4-1-6. No Video (Tuner DTV)

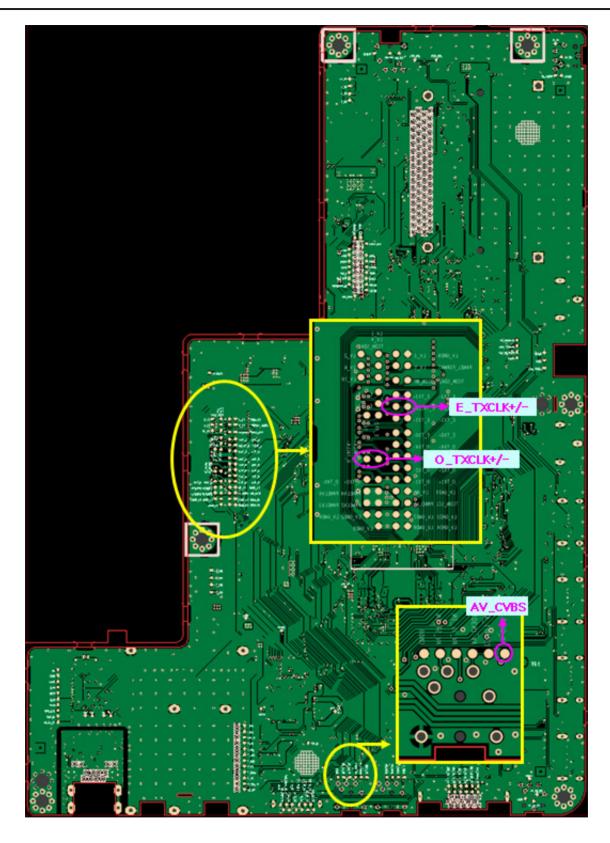






4-1-7. No Video (Video CVBS)



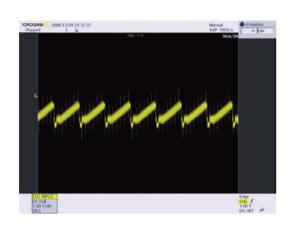


4

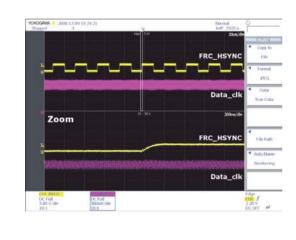
■ WAVEFORMS



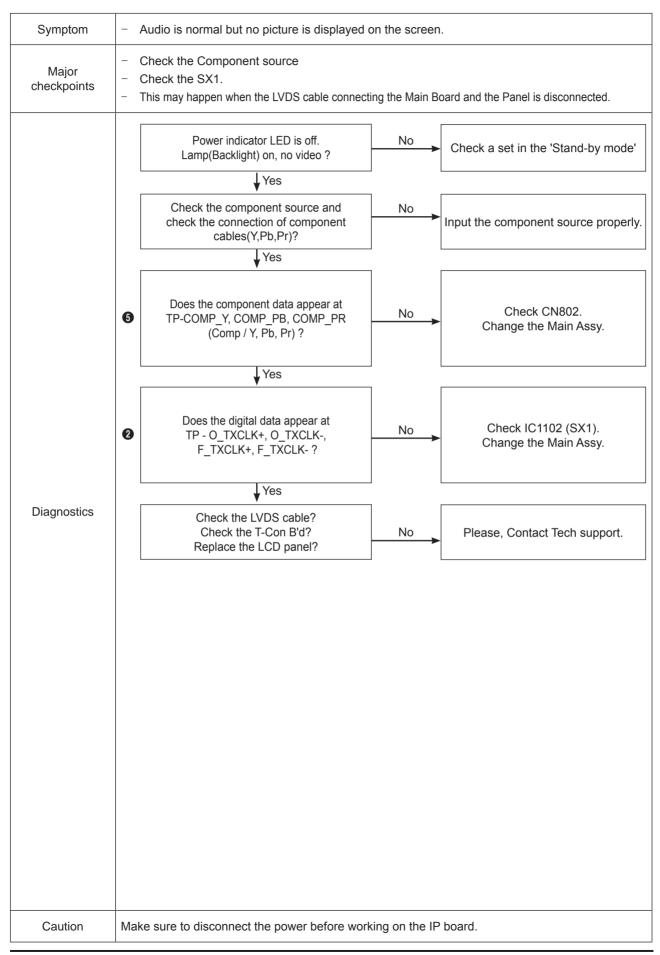
CVBS OUT (Grey Bar)

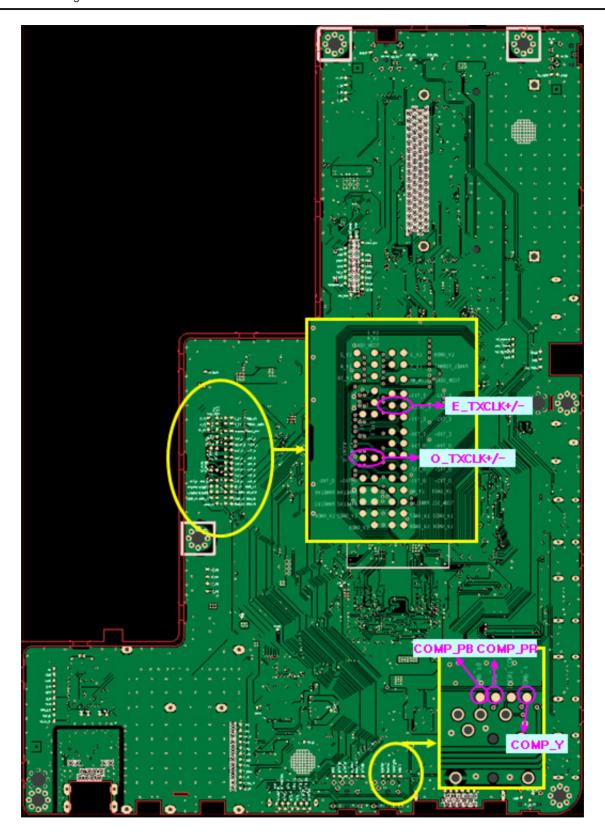


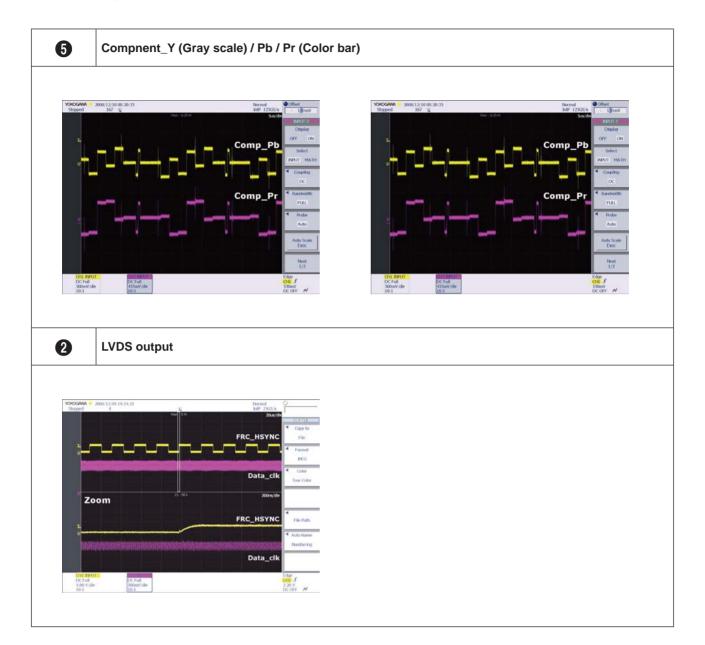
2 LVDS output



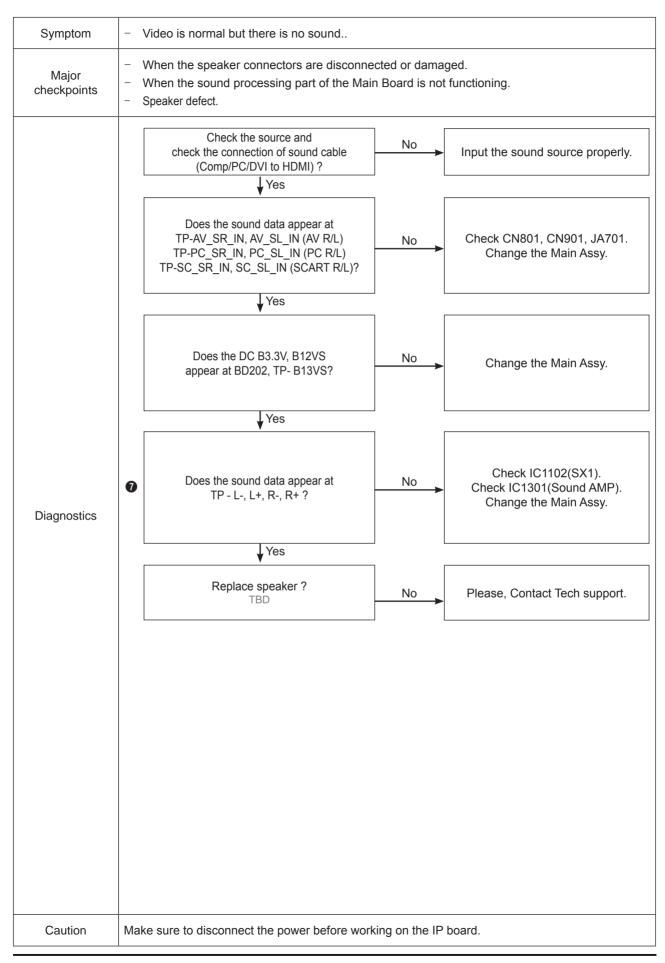
4-1-8. No Video (Component)

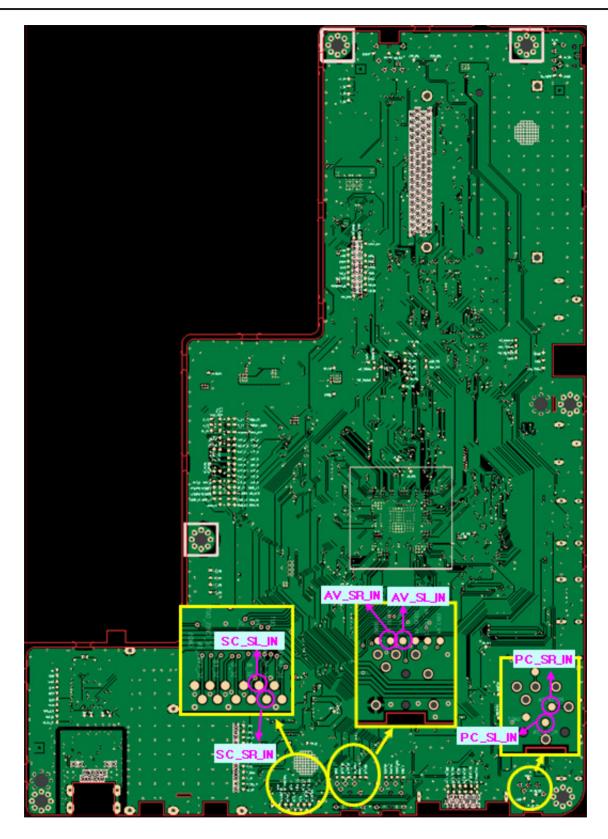


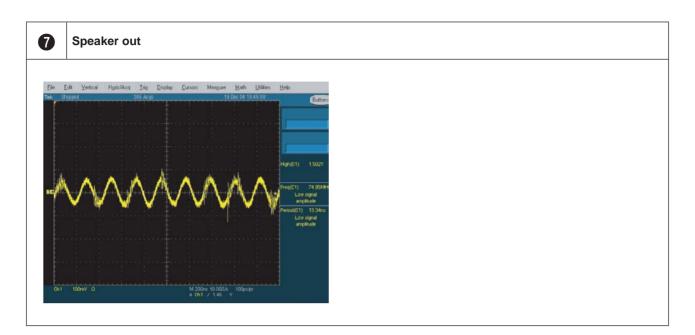




4-1-9. No Sound







4-2. Alignments and Adjustments

4-2-1. General Alignment Instuction

- 1. Usually, a color LED TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync.
- 2. Use the specified test equipment or its equivalent.
- 3. Correct impedance matching is essential.
- 4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
- 5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
- 6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
- 7. To protect against shock hazard, use an isolation transformer.

4-3. Factory Mode Adjustments

4-3-1 Entering Factory Mode

To enter 'Service Mode' Press the remote -control keys in this sequence :

- If you do not have Factory remote - control



4-3-2 How to Access Service Mode

Using the Customer Remote

- 1. Turn the power off and set to stand-by mode.
- 2. Press the remote buttons in this order; POWER OFF- INFO MENU MUTE to turn the set on.
- 3. The set turns on and enters service mode. This may take approximately 20 seconds.
- 4. Press the Power button to exit and store data in memory.
 - If you fail to enter service mode, repeat steps 1 and 2 above.
- 5. Initial SERVICE MODE DISPLAY State

Option	
Control	
SVC	
Expert	
ADC/WB	
Advanced	
T-TDT5DEUC-XXXX	
T-TDT5DEUS-XXXX	
EDID SUCCESS	
CALIB : AV X COMP X PC X HDMI X	
Option : XXXX XXXX XXXX X	
T-TDTDEU-XXX	
SDAL-XXX	
RFS: P0155 T-TDT5DEUC	
20XX-XX-XX	
TYPE: XX	
MODEL: XXXXX	
MAC Not Available	
FACTORY DATA VER : XXX	
EERC VERSION : XXX	
DTP-AP-COMP-XXX-XX	
DTP-HIIG-XXXX-X	
DTP-BP-XXXX	
DATE OF PURCHASE : XX/XX/XX	

- * How to enter the hidden factory mode.
- a. into the factory mode
- b. move the tap to Advanced
- c. key input : 0 + 0 + 0 + 0
- ** hidden menu : Advanced
- 6. Buttons operations withn Service Mode

Menu	Full Menu Display/Move to Parent Menu
Direction Keys ▲/▼	Item Selection by Moving the Cursor
Direction Keys ◀/►	Data Increase / Decrease for the Selected Item
Source	Cycles through the active input source that are connected to the unit

4-3-3 Factory Data

■ Option

OPTION	Factory Name	Data	Range	Use
	Factory Reset			
	Туре		NONE/19O6TH0C/19A6TH0C/22I6TH0C/22A6TH0C/22D6 TH0C/22P6TH0C/26A6AH0C/26D6AH0C/26L6AH0C/26P6 AH0C/32A6AH0C32D6AH0C/32L6AH0C32P6AH0C/32A6A F0C/32L6AF0C/32A1AF0C/32L1AF0C/37L6AF0C/37L1AF 0C/40A6AF0C/40D6AF0C/40L6AF0C/40A1AF0C/40L1AF0 C/40A1UF0C/40D1UF0C/40L1UF0C/46A6AF0C/46D6AF0 C/46L6AF0C/46A1AF0C/46L1AF0C/46A1UF0C/46D1UF0C /46L1UF0C/55A1UF0C/55L1UF0C/65L1UF0C/19R6TH0E/ 22D6TH0E/26D6AH0E/32D6AH0E32D6UF0E/32A1UF0E/ 32D1UF0E/37L6UF0E/37D1UF0E/37L1UF0E/40D6UF0E/4 0A1UF0E/40D1UF0E/46D6UF0E/46L6UF0E/46A1UF0E/46 D1UF0E/46L1UF0E/55A1UF0E/55D1UF0E/55L1UF0E/65L 1UF0E/42HHcD3/50HHcD450FArN4/50FArV458FArN1/58F ArV163FArN1/	Select Panel Type 12: inch 3: vendor 4: refresh 5: POL 6: resolution 7: multi 8: BLU
	Local Set	EU	EU/EU_ltaly/EU_Africa/EU_lsrael/NORDIG/AD_Au/CIS	Select Area
	Model	UC5100	LC350/LC450/LC450H/LC451/LC452/LC457HLC459H/LC480/ LC530/LC530H/LC539H/LC540/LC550/LC560/LC580/LC570/ LC610/LC620/LC630/LC631/LC632/LC633/LC640/LC650/ LC652/LC653/LC654/LC670/ UC400/UC400H/UC4010/UC5000/UC5100/UC6000/UC6200/ UC6300/UC6400/UC6400H/UC6500/UC6510/UC6530/ UC6540/UC6550/UC6600/UC6620/UC6630/UC6700/UC6720/ UC6730/UC6740/UC6800/UC6830/UC6900/UC6900H/ UC8000/ PC420/PC430/PC431/PC432/PC450/PC451/PC480/PC520/ PC530/PC531/PC540/PC541/PC550/PC551/PC560/PC580/ PC590/PC670/PC6100/PC6400/PC6500/PC7000/PC7700/ PC8000	Select Model
	TUNER	DRXKSEMCO	DRXKSEMCO/S2Semco/T2CXD/DRXKSEM_E/ DRXKALPS/DRXKSEN_2/DRXKXG	EU: DRXKSEMCO AU: DRXKALPS satellite: S2Semco
	DDR	SAMSUNG / Etron	SAMSUNG	SAMSUNG
	Front Color		NONE/W-MILKY/T-M-Brn/T-W-Brn/T-W-Gray/W-D-Gray/W-M-Whit/W-Violet/T-C-Gray/T-R-BLK/S-BLK/S-RBLK/S-C-Gray/	Select Design for Illuminance Sensor

■ Control

Control	Factory Name	Data		R	ange		
	EDID						
	Sub Option						
	Shop Option						
	Sound						
EDID	Factory Name	Data	Use				
	EDID ON/OFF	OFF					
EDID WRITE ALL							
	EDID WRITE PC						
	EDID WRITE HDMI						
	EDID WRITE HDMI1		Download EDID data to EEPROM. 1. Set "ON" of EDID ON/OFF.				
	EDID WRITE HDMI2		 2. Go EDID WRITE ALL and Push Enter or ▶ button. 3. If You See Success message, SET "OFF" of EDID ON/O 				
	EDID WRITE HDMI3						
	EDID WRITE HDMI4						
	EDID 1.2 PORT						
	EDID WRITE DVI						
Sub Option	Factory Name	Data		RANGE	Use		
	RS-232 Jack	UART		Debug/Logic/UART	Select Setting of UART port. Initial value is "UART"		
	Watchdog	ON		ON/OFF	Select Watchdog. Initial value is "ON"		

Sub Option	Factory Name	Data	RANGE	Use
	RS-232 Jack	UART	Debug/Logic/UART	Select Setting of UART port. Initial value is "UART"
	Watchdog	ON	ON/OFF	Select Watchdog. Initial value is "ON"
	WD Count	0	255	Watchdog Count. Read Only.
	Dimm Type	EXT	fixed	Select Dimming Type. Initial value is "EXT"
	Lvds Format	JEIDA	JEIDA/VESA/19INCH	Select LVDS format. 19inch : VESA" other inch : "JEIDA"
	OTN Server Type	operating	operating/development	
	OTN Test Server	OFF	OFF/ A/B/C/D/E Zone	
	OTN Support	ON	ON/OFF	
	OTN Reset		not modifyed	
	OTN Duration	OFF	ON/OFF	
	OTN Fail Test	OFF	ON/OFF	
	T-CON USB Download	Failure	fixed	
	View Log		not modifyed	

Hotel Option	Factory Name	Data		Range	
	Hotel Mode	OFF			
	SI Vender				
	Power On Channel				
	Channel Type				
	Power On Volume				
	Min Volume				
	Max Volume				
	Panel Button Lock				
	Power On Source				
Shop Option	Factory Name	Data		Range	
	Shop Mode	OFF		ON/OFF	
	Exhibition Mode	OFF	ON/OFF		
Sound	Factory Name	Data	Range	Use	
	High Devi	OFF	ON/OFF		
	Carrier_Mute	ON	ON/OFF		
	Speaker Delay Normal	10	0~255	Audio delay for Lipsync	
	Pilot Level High ThId	0x70h	0x00~0xff	Control for ATV sound of stereo / multiplex	
	Pilot Level Low ThId	0x20h	0x00~0xff	Control for ATV sound of stereo / multiplex	
	Speaker EQ	ON	ON/OFF	Control for sound precision	

■ SVC

SVC	Factory Name	Data			Range	
	Test Pattern					
	Panel Auto Setting					
	Panel Display Time	0Hr		fixed		
	Logic Usb D/L	off				
	Tuner Status					
Test Pattern	Factory Name	Data	Rang	ge	Use	
	Pattern Sel	OFF	OFF/ White/O			
	FRC PC Mode		ON/O	FF	Test for Input of Scaler. If you can see pattern well, there is	
	Logic Pattern Sel		Not mod	dified	problem at input of Scaler.	
	Logic Level Sel		Not mod	dified		
TUNER STATUS	Factory Name	Facto	ry Name		Range	
		S	SNR		Not modified	
		BER		Not modified		
		Singal Strength		Not modified		
		Bandwidth		Not modified		
		Frequency			Not modified	
		LNA	LNA Status		Not modified	
		F	FT	Not modified		
		Mod	Modulation		Not modified	
		Code Rate		Not modified		
			GI	Not modified		
	DVB	Hier Modulation		Not modified		
		Frequency Offset		Not modified		
		Timin	g Offset	Not modified		
		Α	(GC	Not modified		
		UCB		Not modified		
		PLL Type		Not modified		
		DEMOD Type		Not modified		
		TPS LOCK		Not modified		
		RS Lock		Not modified		
		SSI		Not modified		
		SQI		Not modified		

ISDB-T	FFT Size_1	Not modified	
	Guard Interval_1	Not modified	
	Freq. Offset_1	Not modified	
	SNR_1	Not modified	
	IF AGC_1	Not modified	
	TMCC Lock_1	Not modified	
	TS Packet_1	Not modified	
	Master Lock_1	Not modified	
	A_Modulation_1	Not modified	
	A_Code Rate_1	Not modified	
	A_Timer InterLeave_1	Not modified	
	A_Segments Num_1	Not modified	
	A_Ber_1	Not modified	
	B_Modulation_!	Not modified	
	B_Code Rate_1	Not modified	
	B_Timer InterLeave_1	Not modified	
	B_Segments Num_1	Not modified	
	B_BER_1	Not modified	
	C_Modulation_1	Not modified	
	C_Code Rate_1	Not modified	
	C_Timer InterLeave_1	Not modified	
	C_Segments Num_1	Not modified	
	C_BER_1	Not modified	

■ Expert

svc	Factory Name Data		Range	
	N / D ADJ	Off	Off / On / FIX	
	SOURCE		Not modified	

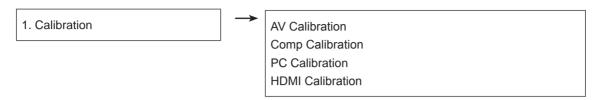
■ ADC/WB

ADC/WB	Factory Name	Data	Range	
	ADC			
	ADC Target			
	ADC RESULT			
	WB			
ADC	Factory Name	Data	Range	
	AV Calibration	Success	Success / Failure	
	Comp Calibration	Success	Success / Failure	
	PC Calibration	Success	Success / Failure	
	HDMI Calibration	Success	Success / Failure	
ADC Target	Factory Name	Data	Range	
	1st_AV_Low	64	0 ~ 1023	
	1st_AV_High	880	0 ~ 1023	
	1st_AV_Delta	2	0 ~ 7	
	1st_COMP_Y_Low	64	0 ~ 1023	
	1st_COMP_Y_High	940	0 ~ 1023	
	1st_COMP_Delta	2	0 ~ 7	
	1st_PC_R_Low	16	0 ~ 1023	
	1st_PC_R_High	1004	0 ~ 1023	
	1st_PC_Delta	2	0~7	
	2nd_AV_R_Low	4	-	
	2nd_AV_G_Low	4	0 ~ 1023	
	2nd_AV_B_Low	4	-	
	2nd_AV_R_High	940	-	
	2nd_AV_G_High	940	0 ~ 1023	
	2nd_AV_B_High	940	-	
	2nd_AV_Delta	2	0 ~ 7	
	2nd_COMP_R_Low	4	-	
	2nd_COMP_G_Low	4	0 ~ 1023	
	2nd_COMP_B_Low	4	-	
	2nd_COMP_R_High	940	-	
	2nd_COMP_G_High	940	0 ~ 1023	
	2nd_COMP_B_High	940	-	
	2nd_COMP_Delta	2	0 ~ 7	
	2nd_PC_R_Low	4	-	
	2nd_PC_G_Low	4	0 ~ 1023	
	2nd_PC_B_Low	4	-	

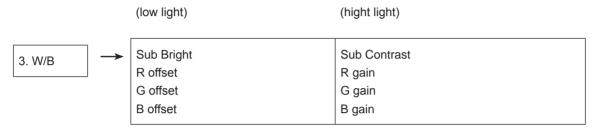
	2nd_PC_R_High	940	-
	2nd_PC_G_High	940	0 ~ 1023
	2nd_PC_B_High	940	-
	2nd_PC_Delta	2	0~7
	2nd_HDMI_R_Low	4	-
	2nd_HDMI_G_Low	4	0 ~ 1023
	2nd_HDMI_B_Low	4	-
	2nd_HDMI_R_High	940	-
	2nd_HDMI_G_High	940	0 ~ 1023
	2nd_HDMI_B_High	940	-
	2nd_HDMI_Delta	2	0 ~ 7
ADC RESULT	Factory Name	Data	Range
	1st_Y_GH	0	0 ~ 255
	1st_Y_GL	0	0 ~ 255
	1st_Cb_BH	0	0 ~ 255
	1st_Cb_BL	0	0 ~ 255
	1st_Cr_RH	0	0 ~ 255
	1st_Cr_RL	0	0 ~ 255
	2nd_R_L	132	0 ~ 255
	2nd_G_L	132	0 ~ 255
	2nd_B_L	132	0 ~ 255
	2nd_R_H	50	0 ~ 255
	2nd_G_H	50	0 ~ 255
	2nd_B_H	50	0 ~ 255
WB	Factory Name	Data	Range
	Sub Brightness	128	0 ~ 255
	R_Offset	512	0 ~ 1023
	G_Offset	512	0 ~ 1023
	B_Offset	512	0 ~ 1023
	Sub Contrast	128	0 ~ 255
	R_Gain	512	0 ~ 1023
	G_Gain	512	0 ~ 1023
	B_Gain	512	0 ~ 1023
	Movie R Offset	-	0 ~ 1023
	Movie B Offset	-	0 ~ 1023
	Movie R Gain	-	0 ~ 1023
	Movie B Gain	-	0 ~ 1023

4-4. White Balance

4-4-1. Calibration



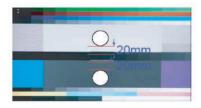
4-4-2. Adjustment



(W/B adjustment Condition refer next page)

4-5. White Ratio (Balance) Adjustment

- 1. You can adjust the white ratio in factory mode (1:Calibration, 3:White-Balance).
- 2. Since the adjustment value and the data value vary depending on the input source, you have to adjust these in CVBS, Component 1 and HDMI 1 modes.
- 3. The optimal values for each mode are configured by default. (Refer to Table 1, 2) It varies with Panel's size and Specification.
 - Equipment : CS-210
 - Pattern: MIK K-7256 #92 "Flat W/B Pattern" as standard
 - Use other equipment only after comparing the result with that of the Master equipment.
 - Set Aging time : 60min T
 - Calibration and Manual setting for WB adjustment.



HDMI : Calibration at #24 Chessboard Pattern

COMP: Calibration at #24 Chessboard Pattern

CVBS: Calibration at #24 Chessboard Pattern

→ Manual adjustment #92 pattern (720p)

→ Manual adjustment at #92 pattern (720p)

→ Manual adjustment at #92 pattern (PAL)

- If finishing in HDMI mode, adjustment coordinate is almost same in AV/COMP mode.
- White Balance Manual Adjustment

P-Mode	Adjustment Coordinate				
		Х	У	Y (Luminance)	T(K) + MPCD
CVBS (PAL)	H/L	272	278	- (Sub_CT:130)	12,000 (±0)
	L/L	272	278	12.6cd/m² (3.7 Ft)	12,000 (±0)
COMP (720P)	H/L	272	278	- (Sub_CT:130)	12,000 (±0)
	L/L	272	278	13.0cd/m² (3.8 Ft)	12,000 (±0)
HDMI (720P)	H/L	272	278	- (Sub_CT:130)	12,000 (±0)
	L/L	272	278	13.0cd/m² (3.8 Ft)	12,000 (±0)

- Adjustment Specification

White Balance: High light (±1), Low light (±3)

Luminance: High light (Don't care), Low light (±0.2 Ft/L)

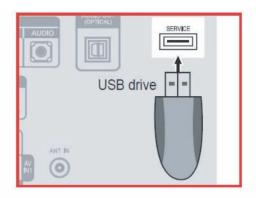
4-6. Servicing Information

4-6-1 USB Download Method

Samsung may offer upgrades for TV's firmware in the future. Please contact the Samsung call center at 1-800-SAMSUNG (726-7864) to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port located on your TV.

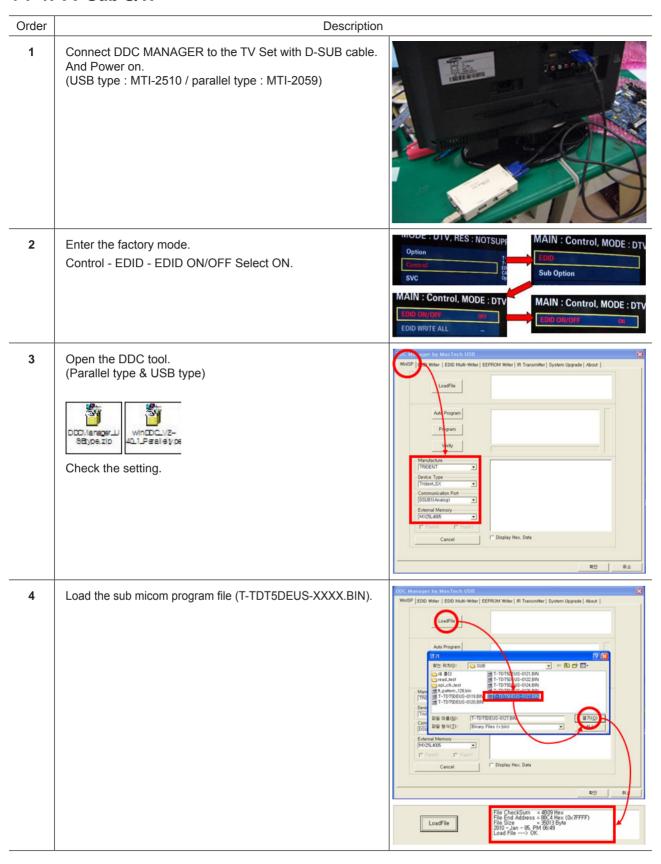
- 1. Insert a USB drive containing the firmware (T-TDT5DEUC) upgrade into the USB port on the rear of the TV.
- Press the MENU button to display the menu.
 Press the ▲ or ▼ button to select "Support", then press the ENTER button.
- Press the ▲ or ▼ button to select "SW Upgrade", then press the ENTER button.
 The message "Scanning for USB. It may take up to 30 seconds." is displayed.
- 4. The message "Upgrade version XXXX to version XXXX? The system will be reset after upgrade." is displayed. Press the ◀ or ▶ to select the "OK", then press the ENTER button.

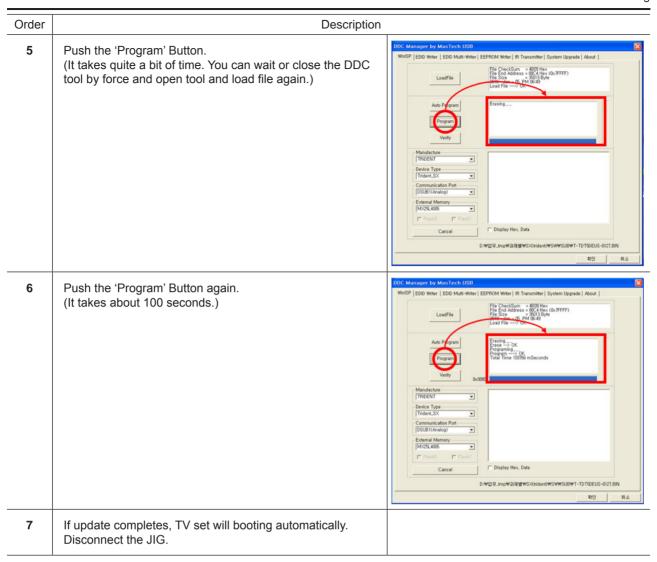
Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete. When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.



4-7. How To Upgrade Sub Micom With Ddc Manager

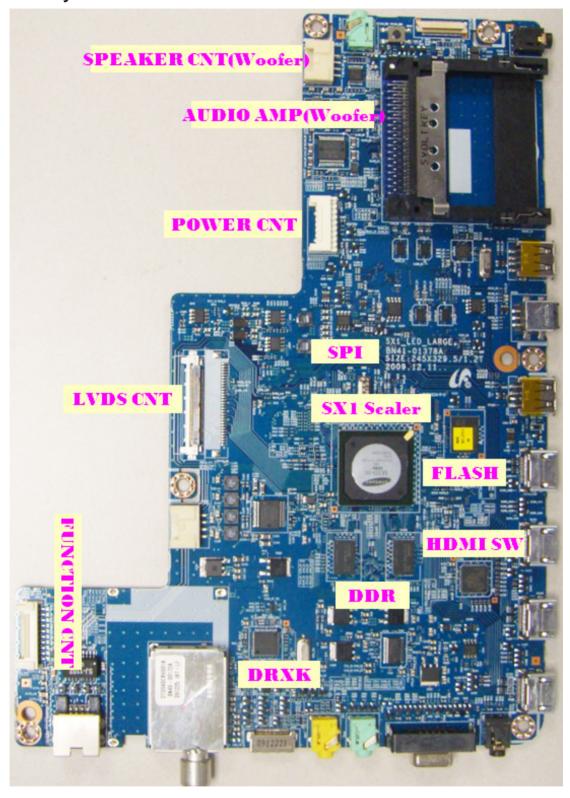
4-7-1. TV Sub S/W



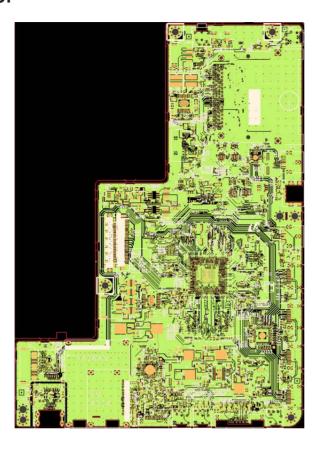


4-8. PCB diagram

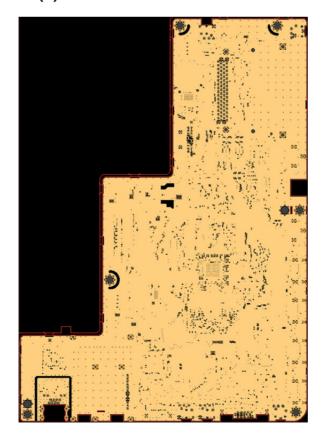
4-8-1. PCB layout



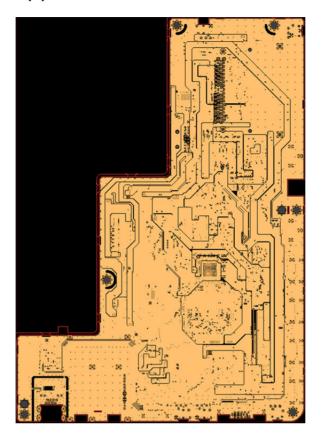
4-8-2. Main TOP



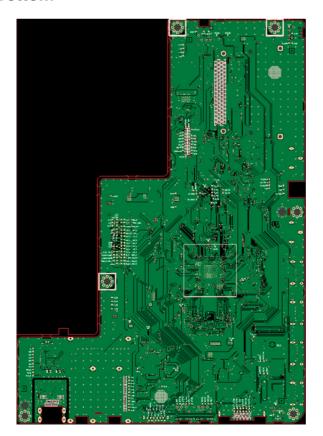
4-8-3. Main Inner(2)



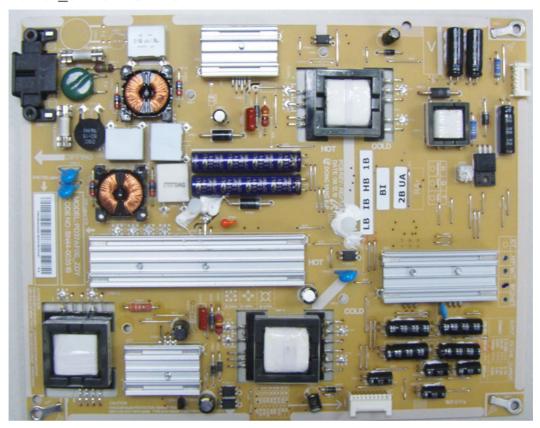
4-8-4. Main Inner(3)



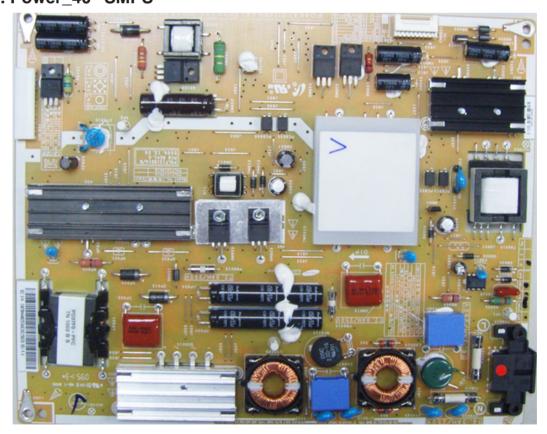
4-8-5. Main Bottom



4-8-6. Power_32"/37" SMPS



4-8-7. Power_40" SMPS



4-8-8. Power_46" SMPS

